

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2015/830,
According to REGULATION (EC) No 1272/2008
24 Colors Acrylic Paint

Version 1.0

Issue date: 28-01-2019

Revision date: 28-01-2019

SDS Record Number: CSSS-TCO-010-130215

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: 24 Colors Acrylic Paint

Additional identification: Not available

Identification of the product: See section 3

Index Number: See section 3

REACH registration No.: See section 3

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses:

Painting.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative):

-

Supplier(Manufacturer):

Yueqing Pinse Stationery Co., Ltd.

Address:

Changfeng Village, Liushi Town, Yueqing City, Zhejiang, China

Contact person(E-mail):

Zheng Jusheng (298219352@qq.com)

Telephone:

+86-577-61752533

Fax:

-

1.4 Emergency telephone Number:

+86-577-61752533 Only available during office hours (9:00a.m.-17:30p.m. Beijing Time Zone)

Available outside office hours?

YES

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NO

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Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

2.2 label elements:

Hazard Pictograms:

No hazard pictogram is used.

Signal Word(S):

No signal word is used.

Hazard Statement:

Not applicable.

Precautionary statement:

Not applicable.

2.3 Other hazards:

Product name: 24 Colors Acrylic Paint

Version #: 1.0

Issue date: 28-01-2019.

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SDS EU

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Not available.

Section 3 Composition/information on ingredients

Substance/Mixture:

Mixture

Ingredient(s):

Chemical Name	CAS No.	EC No.	Concentration						Classification
			Scarlet (Red)	Vermilion	Rubine Red	Crimson Red	Lemon Yellow	Medium Yellow (Yellow)	
Water	7732-18-5	231-791-2	66.1%	65.6%	65.9%	65.6%	66.1%	65.1%	Not Classified
PVA	9002-89-5	N/A	15%						Not Classified
Calcium Carbonate	471-34-1	207-439-9	10%						Not Classified
Starch	9005-25-8	232-679-6	5%						Not Classified
pigment yellow G	2512-29-0	219-730-8	-	0.5%	-	-	-	4%	Not Classified
ALLURA RED	25956-17-6	247-368-0	3%	3%	3%	3%	-	-	Not Classified
pigment yellow 10G	6486-23-3	229-355-1	-	-	-	-	3%	-	Not Classified
Carbomer	76050-42-5	N/A	0.8%						Not Classified
brilliant blue FCF	3844-45-9	223-339-8	-	-	0.2%	0.5%	-	-	Not Classified
potassium sorbate	590-00-1	246-376-1	0.1%						H319
Chemical Name	CAS No.	EC No.	Concentration						Classification
			Golden Yellow	Cerulean Blue	Prussian Blue (Blue)	Deep Blue	Ultramarine Blue	Viridian (Green)	
Water	7732-18-5	231-791-2	65.1%	68.1%	66.1%	64.1%	65.1%	66.1%	Not Classified
PVA	9002-89-5	N/A	15%						Not Classified
Calcium Carbonate	471-34-1	207-439-9	10%						Not Classified
Starch	9005-25-8	232-679-6	5%						Not Classified
brilliant blue FCF	3844-45-9	223-339-8	-	1%	3%	5%	3%	2%	Not Classified
pigment yellow G	2512-29-0	219-730-8	3.5%	-	-	-	-	1%	Not Classified
Permanent Violet RL	6358-30-1	228-767-9	-	-	-	-	1%	-	Not Classified

Carbomer	76050-42-5	N/A	0.8%						Not Classified
ALLURA RED	25956-17-6	247-368-0	0.5%	-	-	-	-	-	Not Classified
potassium sorbate	590-00-1	246-376-1	0.1%						H319
Chemical Name	CAS No.	EC No.	Concentration						Classification
			Green Pale	deep Green	Emerald green	White	Black	Orange	
Water	7732-18-5	231-791-2	66.6%	65.1%	66.1%	62.1%	66.1%	65.1%	Not Classified
PVA	9002-89-5	N/A	15%						Not Classified
Calcium Carbonate	471-34-1	207-439-9	10%						Not Classified
Starch	9005-25-8	232-679-6	5%						Not Classified
Titanium dioxide	13463-67-7	236-675-5	-	-	-	7%	3%	-	Not Classified
pigment yellow G	2512-29-0	219-730-8	1%	1%	1.5%	-	-	3%	Not Classified
brilliant blue FCF	3844-45-9	223-339-8	1.5%	3%	1.5%	-	-	-	Not Classified
ALLURA RED	25956-17-6	247-368-0	-	-	-	-	-	1%	Not Classified
Carbomer	76050-42-5	N/A	0.8%						Not Classified
potassium sorbate	590-00-1	246-376-1	0.1%						H319
Chemical Name	CAS No.	EC No.	Concentration						Classification
			Pink	Purple	Light Purple	Brown (Burnt Umber)	Burnt Sienna	Yellow Ochre	
Water	7732-18-5	231-791-2	66.9%	66.1%	68.1%	63.6%	64.3%	64.8%	Not Classified
PVA	9002-89-5	N/A	15%						Not Classified
Calcium Carbonate	471-34-1	207-439-9	10%						Not Classified
Starch	9005-25-8	232-679-6	5%						Not Classified
pigment yellow G	2512-29-0	219-730-8	-	-	-	2%	1.5%	3%	Not Classified
ALLURA RED	25956-17-6	247-368-0	2%	-	-	3%	3%	1%	Not Classified
Permanent Violet RL	6358-30-1	228-767-9	0.2%	3%	1%	-	-	-	Not Classified

Carbomer	76050-42-5	N/A	0.8%						Not Classified
brilliant blue FCF	3844-45-9	223-339-8	-	-	-	0.5%	0.3%	0.3%	Not Classified
potassium sorbate	590-00-1	246-376-1	0.1%						H319

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

None expected to require first aid measures. If breathed in, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

4.1.2 In case of skin contact:

None expected to require first aid measures. Wash thoroughly with soap and water. Get medical attention in the unlikely event that irritation persists.

4.1.3 In case of eyes contact:

None expected to require first aid measures. Flush with running water for at least 15 minutes. If irritation persists get medical attention.

4.1.4 In case of ingestion:

Immediate first aid is not likely to be required. A physician or poison control center can be contacted for advice.

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed:

Symptomatic treatment.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use extinguishing agents appropriate for surrounding fire.

Unsuitable extinguishing media: Water with full jet.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions. - Carbon oxides and other toxic fumes.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Prevent further leakage or spillage if safe to do so. Keep away from Incompatible products.

6.1.2 For emergency responders: Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area. Wear suitable protective clothing.

6.2 Environmental Precautions:

Should not be released into the environment. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for Containment and Cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in original container. Keep in a well-ventilated place. Keep in a dry place. Keep in properly labelled containers. Keep container closed. Keep away from incompatible products.

7.3 Specific end use(s):

Not available.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Calcium Carbonate(CAS# 471-34-1): ADOPTED LIMITS- VLA-ED:10 mg/m³ (Spain)

Country	Substance	EINECS No.	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		
				ppm	mg/ m ³	ppm	mg/ m ³	Note
Ireland	Starch total inhalable dust respirable dust	232-679-6	9005-25-8	-	10	-	-	-
				-	4	-	-	-
Ireland	Titanium dioxide total inhalable dust respirable dust	236-675-5	13463-67-7	-	10	-	-	-
				-	4	-	-	-

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Use adequate ventilation to keep airborne concentrations low.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection:

No special requirements.

Hand protection:

No special requirements. Wear gloves if necessary.

Body protection:

No special requirements.

Respiratory protection:

No special requirements.

Thermal hazards:

Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls:

Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulations

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:

Liquid

Colour:

24 Colors

Odour:

Not available

Odour threshold:

Not available

pH:

Not available

Melting point/range (°C):	825 °C(CAS#471-34-1)
Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Relative Density:	2.93 (20 °C) (CAS#471-34-1)
Bulk density (kg/m³):	Not available
Water solubility (g/l):	0.017 g/L(20 °C) (CAS#471-34-1)
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
9.2. Other information:	
Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Strong acid, strong bases, strong oxidizing agents.
10.6 Hazardous decomposition products:	Carbon oxides and other toxic fumes.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	
ATE_{mix}(oral):	Not available
ATE_{mix}(inhalation):	Not available
ATE_{mix}(Dermal):	Not available
Calcium carbonate (CAS#471-34-1):	
LD50(Oral, Rat):	> 2000 mg/kg bw (female)
LD50(Dermal, Rat):	> 2000 mg/kg bw
LC50(Inhalation, Rat):	> 3 mg/L 4 h
Skin corrosion/Irritation:	Not classified

Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

Section 12 Ecological information

12.1 Toxicity:

Calcium carbonate (CAS#471-34-1):

Acute (short-term) toxicity:

LC50(96h, Fish): Not available

LC50(48h, Crustacea): Not available

EC50(72h, Algae/aquatic plants): > 14 mg/L

Chronic (long-term) toxicity:

NOEC(Fish): Not available

NOEC(Crustacea): Not available

NOEC (Algae/aquatic plants): 14 mg/L

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: Not available.

12.6 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Section 14 Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
Packing group	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	Not regulated	Not regulated	Not regulated	Not regulated

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed.
For use only by technically qualified individuals.

Other National regulations: Not applicable

15.2 Chemical safety assessment

YES

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NO

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Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for rail International transportation of Dangerous goods

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Training instructions:

Not applicable.

16.5 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.6 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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CONSUMER PRODUCTS SERVICES DIVISION

SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: (6615)359-1516

December 28, 2015

Date Received: December 28, 2015

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OWEN KONG
SHANGHAI INK SOLVER INDUSTRY CO., LTD
NO125,LANE 3029,HUA XIN TOWN, QING PU
DISTRICT,SHANGHAI,201705 P.R.CHINA

Sample Description:	WATERCOLOR INK	Sample Size:	1 PCS
Vendor:	SHANGHAI INK SOLVER INDUSTRY CO., LTD	Style No(s):	N/A
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	P.R.CHINA
Client Specified Age Grade:	N/A	Assortment No.:	N/A
Tested Age Grade:	N/A	Country of Destination:	EU&USA
UPC Code:	N/A		
Color:	GREEN		

EXECUTIVE SUMMARY:

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- Safety Data Sheet(SDS) for the submitted composition.



SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: **(6615)359-1516**

December 28, 2015

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BVCPS (SHANGHAI) GENERAL CONTACT INFORMATION FOR THIS REPORT

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E-MAIL:

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE DIVISION(SHANGHAI)

ROGER ZHANG
DEPUTY DIRECTOR (HARDLINE & TOY DIVISION)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

1 Identification

- **Product identifier**
- **Trade name:** Watercolor ink-green
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Shanghai Ink Solver Industry Co.,Ltd.
Address: No.125, Lane 3029, Hua Xu Road, Hua Xin Town, Qing Pu District, Shanghai, 201705 P.R.China
Tel: +86-2159772369
Fax: +86-2159772359
Email: owenkong@126.com
- **Emergency telephone number:**
+86-13801887789
Am 8:30 - pm 5:30

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** **Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
56-81-5	glycerol	10.0%
· Non-dangerous components:		
2650-18-2	diammonio(ethyl)[4-[[4-[ethyl(3-sulphonatobenzyl)amino]phenyl](2-sulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium	1.2%
1934-21-0	trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate	1.0%
532-32-1	sodium benzoate	0.1%
7732-18-5	water, distilled, conductivity or of similar purity	87.7%

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

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Safety Data Sheet

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Trade name: Watercolor ink-green

(Contd. of page 1)

- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

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Safety Data Sheet

acc. to OSHA HCS

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Trade name: Watercolor ink-green

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9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	Green
· Odor:	Odorless
· Odor threshold:	Not determined.
· pH-value at 20 °C (68 °F):	3-10
· Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	> 93 °C (> 199 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Easily soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
56-81-5 glycerol		
Oral	LD50	12600 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effects known.
- **on the eye:** No irritating effects known.

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- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA**

- **Class** Void

- **Packing group**

- **DOT, ADR, IMDG, IATA** Void

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

- **UN "Model Regulation":**

Void

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-green

(Contd. of page 4)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet (SDS) (6615)351-1392-9 is prepared upon applicant Shanghai Ink Solver Industry Co.,Ltd's request. However, no SDS of ingredients was provided by the applicant. And no further testing data provided. Therefore, this document is compiled in accordance with what we obtained.

- Date of preparation / last revision 12/25/2015 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health



CONSUMER PRODUCTS SERVICES DIVISION

SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: (6615)359-1511

December 28, 2015

Date Received: December 28, 2015

Page 1 of 2

OWEN KONG
SHANGHAI INK SOLVER INDUSTRY CO., LTD
NO125,LANE 3029,HUA XIN TOWN, QING PU
DISTRICT,SHANGHAI,201705 P.R.CHINA

Sample Description: WATERCOLOR INK
Vendor: SHANGHAI INK SOLVER
INDUSTRY CO., LTD
Manufacturer: N/A
Buyer: N/A
Labeled Age Grade: N/A
Appropriate Age Grade: N/A
Client Specified Age Grade: N/A
Tested Age Grade: N/A
UPC Code: N/A
Color: BLUE

Sample Size: 1 PCS
Style No(s): N/A
SKN/SKU No.: N/A
PO No.: N/A
Ref #: N/A
Country of Origin: P.R.CHINA
Assortment No.: N/A
Country of Destination: EU&USA

EXECUTIVE SUMMARY:

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- Safety Data Sheet(SDS) for the submitted composition.



SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: **(6615)359-1511**

December 28, 2015

Page 2 of 2

BVCPS (SHANGHAI) GENERAL CONTACT INFORMATION FOR THIS REPORT

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86-21-24166888

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE DIVISION(SHANGHAI)

ROGER ZHANG
DEPUTY DIRECTOR (HARDLINE & TOY DIVISION)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

1 Identification

- **Product identifier**
- **Trade name:** Watercolor ink-blue
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Shanghai Ink Solver Industry Co.,Ltd.
Address: No.125, Lane 3029, Hua Xu Road, Hua Xin Town, Qing Pu District, Shanghai, 201705 P.R.China
Tel: +86-2159772369
Fss: +86-2159772359
Email: owenkong@126.com
- **Emergency telephone number:**
+86-13801887789
Am 8:30 - pm 5:30

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** **Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

56-81-5	glycerol	10.0%
---------	----------	-------

· **Non-dangerous components:**

2650-18-2	diammonio(ethyl)[4-[[4-[ethyl(3-sulphonatobenzyl)amino]phenyl](2-sulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium	0.6%
3520-42-1	hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylum, sodium salt	0.3%
532-32-1	sodium benzoate	0.1%
7732-18-5	water, distilled, conductivity or of similar purity	89%

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-blue

(Contd. of page 1)

- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-blue

(Contd. of page 2)

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	Blue
· Odor:	Odorless
· Odor threshold:	Not determined.
· pH-value at 20 °C (68 °F):	3-10
· Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	> 93 °C (> 199 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Easily soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
56-81-5 glycerol		
Oral	LD50	12600 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effects known.
- **on the eye:** No irritating effects known.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-blue

(Contd. of page 3)

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA**

- **Class** Void

- **Packing group**

- **DOT, ADR, IMDG, IATA** Void

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

- **UN "Model Regulation":**

Void

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-blue

(Contd. of page 4)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet (SDS) (6615)351-1392-8 is prepared upon applicant Shanghai Ink Solver Industry Co.,Ltd's request. However, no SDS of ingredients was provided by the applicant. And no further testing data provided. Therefore, this document is compiled in accordance with what we obtained.

- Date of preparation / last revision 12/25/2015 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health



CONSUMER PRODUCTS SERVICES DIVISION

SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: (6615)359-1519

December 28, 2015

Date Received: December 28, 2015

Page 1 of 2

OWEN KONG
SHANGHAI INK SOLVER INDUSTRY CO., LTD
NO125,LANE 3029,HUA XIN TOWN, QING PU
DISTRICT,SHANGHAI,201705 P.R.CHINA

Sample Description: WATERCOLOR INK
Vendor: SHANGHAI INK SOLVER
INDUSTRY CO., LTD
Manufacturer: N/A
Buyer: N/A
Labeled Age Grade: N/A
Appropriate Age Grade: N/A
Client Specified Age Grade: N/A
Tested Age Grade: N/A
UPC Code: N/A
Color: LT. BLUE

Sample Size: 1 PCS
Style No(s): N/A
SKN/SKU No.: N/A
PO No.: N/A
Ref #: N/A
Country of Origin: P.R.CHINA
Assortment No.: N/A
Country of Destination: EU&USA

EXECUTIVE SUMMARY:

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- Safety Data Sheet(SDS) for the submitted composition.



SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: **(6615)359-1519**

December 28, 2015

Page 2 of 2

BVCPS (SHANGHAI) GENERAL CONTACT INFORMATION FOR THIS REPORT

TELEPHONE NO. :

86-21-24166888

E-MAIL:

bvcpshtoy.sh@cn.bureauveritas.com

BUREAU VERITAS
CONSUMER PRODUCTS SERVICE DIVISION(SHANGHAI)

ROGER ZHANG
DEPUTY DIRECTOR (HARDLINE & TOY DIVISION)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/28/2015

Reviewed on 12/28/2015

1 Identification

- **Product identifier**
- **Trade name:** Watercolor ink-Lt.Blue
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Shanghai Ink Solver Industry Co.,Ltd.
Address: No.125, Lane 3029, Hua Xu Road, Hua Xin Town, Qing Pu District, Shanghai, 201705 P.R.China
Tel: +86-2159772369
Fax: +86-2159772359
Email: owenkong@126.com
- **Emergency telephone number:**
+86-13801887789
Am 8:30 - pm 5:30

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
56-81-5	glycerol	10.0%
· Non-dangerous components:		
2650-18-2	diammonio(ethyl)[4-[[4-[ethyl(3-sulphonatobenzyl)amino]phenyl](2-sulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium	1.0%
532-32-1	sodium benzoate	0.1%
7732-18-5	water, distilled, conductivity or of similar purity	88.9%

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/28/2015

Reviewed on 12/28/2015

Trade name: **Watercolor ink-Lt.Blue**

(Contd. of page 1)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/28/2015

Reviewed on 12/28/2015

Trade name: Watercolor ink-Lt.Blue

(Contd. of page 2)

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	Lt.Blue
· Odor:	Odorless
· Odor threshold:	Not determined.
· pH-value at 20 °C (68 °F):	3-10
· Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	> 93 °C (> 199 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Easily soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
56-81-5 glycerol		
Oral	LD50	12600 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effects known.
- **on the eye:** No irritating effects known.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/28/2015

Reviewed on 12/28/2015

Trade name: **Watercolor ink-Lt.Blue**

(Contd. of page 3)

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA**

- **Class** Void

- **Packing group**

- **DOT, ADR, IMDG, IATA** Void

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

- **UN "Model Regulation":**

Void

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/28/2015

Reviewed on 12/28/2015

Trade name: Watercolor ink-Lt.Blue

(Contd. of page 4)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet (SDS) (6615)351-1392-2 is prepared upon applicant Shanghai Ink Solver Industry Co.,Ltd's request. However, no SDS of ingredients was provided by the applicant. And no further testing data provided. Therefore, this document is compiled in accordance with what we obtained.

- Date of preparation / last revision 12/28/2015 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health



CONSUMER PRODUCTS SERVICES DIVISION

SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: (6615)359-1509

December 28, 2015

Date Received: December 28, 2015

Page 1 of 2

OWEN KONG
SHANGHAI INK SOLVER INDUSTRY CO., LTD
NO125,LANE 3029,HUA XIN TOWN, QING PU
DISTRICT,SHANGHAI,201705 P.R.CHINA

Sample Description:	WATERCOLOR INK	Sample Size:	N/A
Vendor:	SHANGHAI INK SOLVER INDUSTRY CO., LTD	Style No(s):	N/A
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	P.R.CHINA
Client Specified Age Grade:	N/A	Assortment No.:	N/A
Tested Age Grade:	N/A	Country of Destination:	EU&USA
UPC Code:	N/A		
Color:	BROWN		

EXECUTIVE SUMMARY:

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- Safety Data Sheet(SDS) for the submitted composition.



SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: **(6615)359-1509**

December 28, 2015

Page 2 of 2

BVCPS (SHANGHAI) GENERAL CONTACT INFORMATION FOR THIS REPORT

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE DIVISION(SHANGHAI)

ROGER ZHANG
DEPUTY DIRECTOR (HARDLINE & TOY DIVISION)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

1 Identification

- **Product identifier**
- **Trade name:** Watercolor ink-brown
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Shanghai Ink Solver Industry Co.,Ltd.
Address: No.125, Lane 3029, Hua Xu Road, Hua Xin Town, Qing Pu District, Shanghai, 201705 P.R.China
Tel: +86-2159772369
Fax: +86-2159772359
Email: owenkong@126.com
- **Emergency telephone number:**
+86-13801887789
Am 8:30 - pm 5:30

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
56-81-5	glycerol	10.0%
· Non-dangerous components:		
3520-42-1	hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylum, sodium salt	1.0%
1934-21-0	trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate	0.4%
2650-18-2	diammonio(ethyl)[4-[[4-[ethyl(3-sulphonatobenzyl)amino]phenyl](2-sulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium	0.2%
532-32-1	sodium benzoate	0.1%
2611-82-7	trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate	0.1%
7732-18-5	water, distilled, conductivity or of similar purity	88.2%

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-brown

(Contd. of page 1)

- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-brown

(Contd. of page 2)

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	Brown
· Odor:	Odorless
· Odor threshold:	Not determined.
· pH-value at 20 °C (68 °F):	3-10
· Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	> 93 °C (> 199 °F) Not determined.
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Easily soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
56-81-5 glycerol		
Oral	LD50	12600 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effects known.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-brown

(Contd. of page 3)

- **on the eye:** No irritating effects known.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
· NTP (National Toxicology Program)
None of the ingredients is listed.
· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-brown

(Contd. of page 4)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet (SDS) (6615)351-1392-6 is prepared upon applicant Shanghai Ink Solver Industry Co.,Ltd's request. However, no SDS of ingredients was provided by the applicant. And no further testing data provided. Therefore, this document is compiled in accordance with what we obtained.

- Date of preparation / last revision 12/25/2015 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health



CONSUMER PRODUCTS SERVICES DIVISION

SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: (6615)359-1514

December 28, 2015

Date Received: December 28, 2015

Page 1 of 2

OWEN KONG
SHANGHAI INK SOLVER INDUSTRY CO., LTD
NO125,LANE 3029,HUA XIN TOWN, QING PU
DISTRICT,SHANGHAI,201705 P.R.CHINA

Sample Description:	WATERCOLOR INK	Sample Size:	1 PCS
Vendor:	SHANGHAI INK SOLVER INDUSTRY CO., LTD	Style No(s):	N/A
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	P.R.CHINA
Client Specified Age Grade:	N/A	Assortment No.:	N/A
Tested Age Grade:	N/A	Country of Destination:	EU&USA
UPC Code:	N/A		
Color:	LT. GREEN		

EXECUTIVE SUMMARY:

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- Safety Data Sheet(SDS) for the submitted composition.



SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: **(6615)359-1519**

December 28, 2015

Page 2 of 2

BVCPS (SHANGHAI) GENERAL CONTACT INFORMATION FOR THIS REPORT

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE DIVISION(SHANGHAI)

ROGER ZHANG
DEPUTY DIRECTOR (HARDLINE & TOY DIVISION)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

1 Identification

- **Product identifier**
- **Trade name:** Watercolor ink-Lt.Green
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Shanghai Ink Solver Industry Co.,Ltd.
Address: No.125, Lane 3029, Hua Xu Road, Hua Xin Town, Qing Pu District, Shanghai, 201705 P.R.China
Tel: +86-2159772369
Fax: +86-2159772359
Email: owenkong@126.com
- **Emergency telephone number:**
+86-13801887789
Am 8:30 - pm 5:30

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** **Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
56-81-5	glycerol	10.0%
· Non-dangerous components:		
2650-18-2	diammonio(ethyl)[4-[[4-[ethyl(3-sulphonatobenzyl)amino]phenyl](2-sulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium	1.5%
1934-21-0	trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate	0.2%
532-32-1	sodium benzoate	0.1%
7732-18-5	water, distilled, conductivity or of similar purity	88.2%

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: **Watercolor ink-Lt.Green**

(Contd. of page 1)

- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-Lt.Green

(Contd. of page 2)

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	Lt.green
· Odor:	Odorless
· Odor threshold:	Not determined.
· pH-value at 20 °C (68 °F):	3-10
· Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	> 93 °C (> 199 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Easily soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
56-81-5 glycerol		
Oral	LD50	12600 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effects known.
- **on the eye:** No irritating effects known.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-Lt.Green

(Contd. of page 3)

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA**

- **Class** Void

- **Packing group**

- **DOT, ADR, IMDG, IATA** Void

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

- **UN "Model Regulation":**

Void

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-Lt.Green

(Contd. of page 4)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet (SDS) (6615)351-1392-3 is prepared upon applicant Shanghai Ink Solver Industry Co.,Ltd's request. However, no SDS of ingredients was provided by the applicant. And no further testing data provided. Therefore, this document is compiled in accordance with what we obtained.

- Date of preparation / last revision 12/25/2015 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health



CONSUMER PRODUCTS SERVICES DIVISION

SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: (6615)359-1517

December 28, 2015

Date Received: December 28, 2015

Page 1 of 2

OWEN KONG
SHANGHAI INK SOLVER INDUSTRY CO., LTD
NO125,LANE 3029,HUA XIN TOWN, QING PU
DISTRICT,SHANGHAI,201705 P.R.CHINA

Sample Description: WATERCOLOR INK
Vendor: SHANGHAI INK SOLVER
INDUSTRY CO., LTD
Manufacturer: N/A
Buyer: N/A
Labeled Age Grade: N/A
Appropriate Age Grade: N/A
Client Specified Age Grade: N/A
Tested Age Grade: N/A
UPC Code: N/A
Color: YELLOW

Sample Size: 1 PCS
Style No(s): N/A
SKN/SKU No.: N/A
PO No.: N/A
Ref #: N/A
Country of Origin: P.R.CHINA
Assortment No.: N/A
Country of Destination: EU&USA

EXECUTIVE SUMMARY:

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- Safety Data Sheet(SDS) for the submitted composition.



SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: **(6615)359-1517**

December 28, 2015

Page 2 of 2

BVCPS (SHANGHAI) GENERAL CONTACT INFORMATION FOR THIS REPORT

TELEPHONE NO. :

86-21-24166888

E-MAIL:

bvcpshtoy.sh@cn.bureauveritas.com

BUREAU VERITAS
CONSUMER PRODUCTS SERVICE DIVISION(SHANGHAI)

ROGER ZHANG
DEPUTY DIRECTOR (HARDLINE & TOY DIVISION)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

1 Identification

- **Product identifier**
- **Trade name:** Watercolor ink-yellow
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Shanghai Ink Solver Industry Co.,Ltd.
Address: No.125, Lane 3029, Hua Xu Road, Hua Xin Town, Qing Pu District, Shanghai, 201705 P.R.China
Tel: +86-2159772369
Fax: +86-2159772359
Email: owenkong@126.com
- **Emergency telephone number:**
+86-13801887789
Am 8:30 - pm 5:30

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
56-81-5	glycerol	10.0%
· Non-dangerous components:		
1934-21-0	trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate	1.5%
532-32-1	sodium benzoate	0.1%
7732-18-5	water, distilled, conductivity or of similar purity	88.4%

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-yellow

(Contd. of page 1)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-yellow

(Contd. of page 2)

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	Yellow
· Odor:	Odorless
· Odor threshold:	Not determined.
· pH-value at 20 °C (68 °F):	3-10
· Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	> 93 °C (> 199 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Not determined.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
56-81-5 glycerol		
Oral	LD50	12600 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effects known.
- **on the eye:** No irritating effects known.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-yellow

(Contd. of page 3)

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA**

- **Class** Void

- **Packing group**

- **DOT, ADR, IMDG, IATA** Void

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **UN "Model Regulation":** Void

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-yellow

(Contd. of page 4)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet (SDS) (6615)351-1392-10 is prepared upon applicant Shanghai Ink Solver Industry Co.,Ltd's request. However, no SDS of ingredients was provided by the applicant. And no further testing data provided. Therefore, this document is compiled in accordance with what we obtained.

- Date of preparation / last revision 12/25/2015 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

SDS Report

No. SHAHG1905218801

Date: Apr. 3, 2019

Page 1 of 1

Ningbo SW Co.Ltd

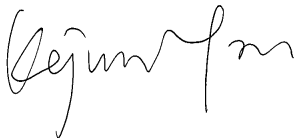
North Side, Xinhengjiu Road, Private Industrial Zone, Jiangbei District, Ningbo City, Zhejiang Province, China.

SGS Ref. No. : NBHL1903003847SD; SHHL1903012704SD-SH
 Sample Name : Ink pad inks (RED)
 End Uses : Chop in the paper
 Composition/Ingredient of sample (as per client submission) : See section 3 Composition/information on ingredients on the SDS report
 Job Receiving Date : Mar 22, 2019
 Last Information Date : Mar 26, 2019
 SDS Preparation Period : Mar 22 – Apr 03, 2019

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200, and is provided per attached.

Signed for and on behalf of
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Kejun You, Grady
 Approved Signatory



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Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
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Safety Data Sheet

29 CFR 1910.1200

Printing date 04/03/2019

Version number 1.0

Reviewed on 04/02/2019

1 Identification

- **Product identifier**
- **Trade name:** Ink pad inks (RED)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Chop in the paper
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Ningbo SW Co.Ltd
North Side, Xinhengjiu Road, Private Industrial Zone, Jiangbei District, Ningbo City, Zhejiang Province, China.
Tel: 0086-574-87384685
E-mail: sale03@sew-star.com
Fax: 0086-574-87384682
- **Other US contact point:** Not available
- **Further information obtainable from:** Ningbo SW Co.Ltd
- **Emergency telephone number:**
WangXia
Tel: 0086-574-87652424
- USA
Poison Center
Tel: +1 800 222 1222
- **Reference Number:** NBHL1903003847SD; SHHL1903012704SD-SH; SHAHG1905218801

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200)
 - **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
 - **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
-
- **Label elements**
 - **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
 - **Hazard pictograms** Not applicable
 - **Signal word** Not applicable
 - **Hazard-determining components of labeling:** Not applicable
 - **Hazard statements** Not applicable
 - **Precautionary statements** Not applicable
 - **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Composition:**

504-63-2	propane-1,3-diol	50.0%
56-81-5	glycerol	34.0%

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/03/2019

Version number 1.0

Reviewed on 04/02/2019

Trade name: Ink pad inks (RED)

(Contd. of page 1)

25956-17-6	disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate	16.0%
------------	--	-------

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Seek medical treatment.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with skin and eyes.
For the general occupational hygienic measures refer to section 8.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.

(Contd. on page 3)

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/03/2019

Version number 1.0

Reviewed on 04/02/2019

Trade name: Ink pad inks (RED)

(Contd. of page 2)

- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol (34.0%)

PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

- **Regulatory information**

PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)

TLV (USA): Guide to Occupational Exposure Values (ACGIH)

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**
- **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.
- **Personal protective equipment:**
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **General Information**

- **Appearance:**

Form: Liquid

Color: Red

- **Odor:** Odorless

(Contd. on page 4)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/03/2019

Version number 1.0

Reviewed on 04/02/2019

Trade name: Ink pad inks (RED)

(Contd. of page 3)

· Odor threshold:	Not available
· pH-value at 25 °C:	9
· Melting point/Melting range:	Not available
· Freezing point:	Not available
· Boiling point/Boiling range:	100 °C
· Flash point:	>93 °C
· Flammability (solid, gaseous):	Not applicable
· Auto-Ignition temperature:	Not available
· Decomposition temperature:	Not available
· Explosion limits:	
Lower:	Not available.
Upper:	Not available.
· Vapor pressure:	Not available.
· Density:	Not available.
· Relative density	Not available.
· Vapor density	Not available.
· Evaporation rate	Not available.
· Solubility in / Miscibility with Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not available
· Viscosity:	
Dynamic:	Not available.
Kinematic:	Not available.
· Other information	Specific gravity --18%

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specification.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

504-63-2 propane-1,3-diol

Oral LD50 4,773 mg/kg (mouse)

56-81-5 glycerol

Oral LD50 4,090 mg/kg (mouse)

12,600 mg/kg (rat)

27,000 mg/kg (rabbit)

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/03/2019

Version number 1.0

Reviewed on 04/02/2019

Trade name: Ink pad inks (RED)

(Contd. of page 4)

Dermal	LD50	>10,000 mg/kg (rabbit)
25956-17-6 disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate		
Oral	LD50	>10,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)

- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect possible.
- **Respiratory or skin sensitisation:** Sensitization possible.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** Not applicable
- **UN proper shipping name**
- **DOT, IMDG, IATA** Not applicable
- **Transport hazard class(es)**
- **DOT, IMDG, IATA**
- **Class** Not applicable
- **Label** Not applicable

(Contd. on page 6)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/03/2019

Version number 1.0

Reviewed on 04/02/2019

Trade name: Ink pad inks (RED)

(Contd. of page 5)

- | | |
|--|--|
| · Packing group | |
| · DOT, IMDG, IATA | Not applicable |
| · Environmental hazards | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | Not applicable |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· New Jersey Right-to-Know List:

56-81-5 | glycerol

· New Jersey Special Hazardous Substance List:

None of the ingredients is listed.

· Pennsylvania Right-to-Know List:

56-81-5 | glycerol

· Pennsylvania Special Hazardous Substance List:

None of the ingredients is listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

USA

(Contd. on page 7)

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/03/2019

Version number 1.0

Reviewed on 04/02/2019

Trade name: Ink pad inks (RED)

(Contd. of page 6)

16 Other information

· *****

The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· **Date of preparation / last revision** 04/03/2019 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

· *****

End of document

USA



CONSUMER PRODUCTS SERVICES DIVISION

SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: (6615)359-1508

December 28, 2015

Date Received: December 28, 2015

Page 1 of 2

OWEN KONG
SHANGHAI INK SOLVER INDUSTRY CO., LTD
NO125,LANE 3029,HUA XIN TOWN, QING PU
DISTRICT,SHANGHAI,201705 P.R.CHINA

Sample Description:	WATERCOLOR LNK	Sample Size:	N/A
Vendor:	SHANGHAI INK SOLVER INDUSTRY CO., LTD	Style No(s):	N/A
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	P.R.CHINA
Client Specified Age Grade:	N/A	Assortment No.:	N/A
Tested Age Grade:	N/A	Country of Destination:	EU&USA
UPC Code:	N/A		
Color:	DK.PINK		

EXECUTIVE SUMMARY:

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- Safety Data Sheet(SDS) for the submitted composition.



SHANGHAI INK SOLVER INDUSTRY CO., LTD

Technical Report: **(6615)359-1508**

December 28, 2015

Page 2 of 2

BVCPS (SHANGHAI) GENERAL CONTACT INFORMATION FOR THIS REPORT

TELEPHONE NO. :

86-21-24166888

E-MAIL:

bvcpshtoy.sh@cn.bureauveritas.com

BUREAU VERITAS
CONSUMER PRODUCTS SERVICE DIVISION(SHANGHAI)

ROGER ZHANG
DEPUTY DIRECTOR (HARDLINE & TOY DIVISION)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

1 Identification

- **Product identifier**
- **Trade name:** Watercolor ink-Dk.Pink
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Shanghai Ink Solver Industry Co.,Ltd.
Address: No.125, Lane 3029, Hua Xu Road, Hua Xin Town, Qing Pu District, Shanghai, 201705 P.R.China
Tel: +86-2159772369
Fax: +86-2159772359
Email: owenkong@126.com
- **Emergency telephone number:**
+86-13801887789
Am 8:30 - pm 5:30

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
56-81-5	glycerol	10.0%
· Non-dangerous components:		
3520-42-1	hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylum, sodium salt	0.6%
532-32-1	sodium benzoate	0.1%
7732-18-5	water, distilled, conductivity or of similar purity	89.3%

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: **Watercolor ink-Dk.Pink**

(Contd. of page 1)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-Dk.Pink

(Contd. of page 2)

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	Dk.pink
· Odor:	Odorless
· Odor threshold:	Not determined.
· pH-value at 20 °C (68 °F):	3-10
· Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	> 93 °C (> 199 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Easily soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
56-81-5 glycerol		
Oral	LD50	12600 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effects known.
- **on the eye:** No irritating effects known.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: **Watercolor ink-Dk.Pink**

(Contd. of page 3)

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA**

- **Class** Void

- **Packing group**

- **DOT, ADR, IMDG, IATA** Void

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

- **UN "Model Regulation":**

Void

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/25/2015

Reviewed on 12/25/2015

Trade name: Watercolor ink-Dk.Pink

(Contd. of page 4)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet (SDS) (6615)351-1392-5 is prepared upon applicant Shanghai Ink Solver Industry Co.,Ltd's request. However, no SDS of ingredients was provided by the applicant. And no further testing data provided. Therefore, this document is compiled in accordance with what we obtained.

- Date of preparation / last revision 12/25/2015 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Acrylic Paint

Safety Data Sheet

according to Federal Register/Vol.77, No.58/Monday, March 26, 2012/Rules and Regulations

Revision date:6/02/2022

Supersedes:01/01/2000

Version:1.0

SECTION 1:Identification of the substance/mixture and of the company/undertaking

Product Identifier

Product form: Substance
Substance name: Acrylic Paint
CAS No: N/A
Formula: N/A
Synonyms: N/A

Intended Use of The Product

Use of the substance/mixture: paint it on the product surface

Name, Address, And Telephone Of The Responsible Party

Ningbo Sew- Star Int'l Trading Co., Ltd. 4/F., BLOCK B, 227 W. YONGFENG Rd.Ningbo China
0086-574-87382619

Emergency telephone number

Emergency number: 0086-574-63754856

SECTION 2:Hazards identification

Classification of the substance or mixture

The product is not classified according to OSHA Hazard Communication Standard(29 cfr 1910.1200)

Information concerning particular hazards for human and environment:

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard(29 CFR 1910.1200)

Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard(29 CFR 1910.1200),and extended by company and literature

Label elements

Label according to OSHA Hazard Communication Standard(29 CFR 1910.1200)

Hazard pictograms(GHS-US): Not applicable

Signal word (GHS-US) : Not applicable

Hazard-determining components Not applicable

Hazard statements (GHS-US): Not applicable

Precautionary statements (GHS-US): Not applicable

Classifications for flammable

liquids (GHS-US):

Hazards not otherwise classified(HNOC) No further relevant information available.

Other hazards

No additional information available

Unknown acute toxicity (GHS US)

No data available

SECTION 3:Composition/information on ingredients

Substances

Composition:		
Acrylic resin emulsion	9003-01-4	0.90%
Water	7732-18-5	78.00%
Starch	9005-25-8	14.10%
Glycerin	56-81-5	6.00%
Pigment Red 5	6410-41-9	0.400%
Zirconium dioxide	1314-23-4	0.600%

Full text of H-phrases: see section 16

SECTION 4:First aid measures

Description of first aid measures

First-aid measures general:Never gove anything by mouth to an unconscious person.If you feel unwell,seek medical advice(show the label where possible)

First-aid measures after inhalation:When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries:Eye irritation

Symptoms/injuries after inhalation: None

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5:Firefighting measures

Extinguishing media

Suitable extinguishing media: Dry chemical, alcohol foam, carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special hazards arising from the substance or mixture

Fire hazard: No information available

Explosion hazard: No information available

Reactivity: No information available

Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire.

Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing (vapor, mist). Use only outdoors in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice.

For non-emergency personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Equip crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency procedures: Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

For containment: Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed: No information available

Precautions for safe handling: Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing mist, spray, vapours. Use only outdoors or in a well-ventilated area. Wear recommended personal protective equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment.

Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible products: Strong acids. Strong bases. Strong oxidizers.

Incompatible materials: Heat sources.

Storage area: Keep in fireproof place.

Special rules on packaging: Attacks many plastics.

Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

Control parameters

USA ACGIH	ACGIH TWA (ppm)	No information available
USA ACGIH	ACGIH STEL (ppm)	No information available
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	No information available
USA NIOSH	NIOSH REL (TWA) (ppm)	No information available
USA IDLH	US IDLH (ppm)	No information available
USA OSHA	OSHA PEL (TWA) (mg/m ³)	No information available
USA OSHA	OSHA PEL (TWA) (ppm)	No information available

Exposure controls

Appropriate engineering controls:

Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Fireproof clothing. Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves.



Hand protection:

Wear chemically resistant protective gloves.

Eye protection:	Chemical goggles or safety glasses.
Skin and body protection:	Wear fireproof clothing.
Respiratory protection:	If exposure limits are exceeded or irritation is experienced,NIOSH approved respiratory protection should be worn.
Thermal hazard protection:	Wear suitable protective clothing.
Other information:	When using,do not eat,drink or smoke.

SECTION 9:Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Paint.
Colour :	Pink
Odour:	None
Odour threshold:	No data available
pH :	No data available
Relative evaporation rate (butylacetate=1) :	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash Point:	>180°C
Auto-ignition temperature:	No data available
Decomposition Temperature :	No data available
Flammability (solid, gas) :	Non-flammability
Vapour pressure :	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	No data available
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	Non-explosive
Oxidising properties:	No data available
Explosive limits:	Not applicable
Other information	
No additional information available	

SECTION 10:Stability and reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended handling and storage conditions (see section 7).
Possibility Of Hazardous Reactions	No data available
Conditions To Avoid	Avoid ignition sources. Heat. Sparks. Open flame. Direct sunlight. Extremely high or low temperatures.
Incompatible Materials	No data available
Hazardous Decomposition Products	No data available

SECTION 11:Toxicological information

Information on toxicological effects

Acute toxicity:	Not classified
LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat (mg/l)	No data available
Skin corrosion/irritation: Not classified	
Serious eye damage/irritation: Causes serious eye irritation.	
Respiratory or skin sensitisation: Not classified	
Germ cell mutagenicity: Not classified	
Carcinogenicity: Not classified	
Reproductive toxicity: Not classified	
Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.	
Specific target organ toxicity (repeated exposure): Not classified	
Aspiration hazard: Not classified	
Symptoms/injuries after inhalation: May cause drowsiness or dizziness.	
Symptoms/injuries after eye contact: Causes serious eye irritation.	
Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.	

SECTION 12: Ecological information

Toxicity	
LC50 fishes 1	No data available
EC50 Daphnia 1	No data available
LC50 fish 2	No data available
EC50 Daphnia 2	No data available
Persistence and degradability	
Persistence and degradability	No data available
Bioaccumulative potential	
BCF fish 1	No data available
Log Kow	No data available
Bioaccumulative potential	Not established.
Mobility in soil	

No additional information available

Other adverse effects

Other information:	Avoid release to the environment.
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SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste): U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII. U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents. U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards. U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics.

Waste disposal recommendations: To be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: No additional information available

SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

UN number
UN-No.(DOT): Not available
DOT NA no. Not available
UN proper shipping name

Department of Transportation (DOT): Not available

Hazard Classes

Hazard labels (DOT): Not available

Packing group (DOT): Not available

DOT Special Provisions (49 CFR 172.102): Not available

DOT Packaging Exceptions (49 CFR 173.xxx): Not available

DOT Packaging Non Bulk (49 CFR 173.xxx): Not available

DOT Packaging Bulk (49 CFR 173.xxx): Not available

Additional information

Emergency Response Guide (ERG)Number: Not available

Other information: No supplementary information available.

Transport by sea

DOT Vessel Stowage Location: Not available

MFAG-No.: Not available

Air transport

DOT Quantity Limitations Passenger: Not available

aircraft/rail (49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft: Not available

only (49 CFR 175.75)

SECTION 15: Regulatory information

US Federal regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

US State regulations

State or local regulations	U.S. - Massachusetts - Right To Know List
	U.S. - New Jersey - Right to Know Hazardous Substance List
	U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Indication of changes: 6/02/2022

Other information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 0 -Minimal Hazard.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Acrylic Paint

Safety Data Sheet

according to Federal Register/Vol.77, No.58/Monday, March 26, 2012/Rules and Regulations

Revision date: 2/15/2022

Supersedes: 01/01/2000

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Product form: Substance
Substance name: Acrylic Paint
CAS No: N/A
Formula: N/A
Synonyms: N/A

Intended Use of The Product

Use of the substance/mixture: paint it on the product surface

Name, Address, And Telephone Of The Responsible Party

Ningbo Sew- Star Int'l Trading Co., Ltd. 4/F., BLOCK B, 227 W. YONGFENG Rd. Ningbo China
0086-574-87382619

Emergency telephone number

Emergency number: 0086-574-63754856

SECTION 2: Hazards identification

Classification of the substance or mixture

The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

Information concerning particular hazards for human and environment:

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature

Label elements

Label according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazard pictograms (GHS-US): Not applicable

Signal word (GHS-US): Not applicable

Hazard-determining components Not applicable

Hazard statements (GHS-US): Not applicable

Precautionary statements (GHS-US): Not applicable

Classifications for flammable liquids (GHS-US): Category 4

Hazards not otherwise classified (HNOC) No further relevant information available.

Other hazards

No additional information available

Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

Substances

Composition:		
Acrylic resin emulsion	9003-01-4	0.90%
Water	7732-18-5	78.00%
Starch	9005-25-8	14.10%
Glycerin	56-81-5	6.00%
skin color		
Pigment Yellow 14	5468-75-7	0.30%
Zirconium dioxide	1314-23-4	0.70%
pale pinkish grey		
Pigment Yellow 14	5468-75-7	0.15%
Zirconium dioxide	1314-23-4	0.85%
light yellow		
Pigment Yellow 14	5468-75-7	0.50%
Zirconium dioxide	1314-23-4	0.58%
black		
Carbon black	1333-86-4	1.000%
red		
Pigment Red 5	6410-41-9	1.000%
blue		
Pigment Blue 29	57455-37-5	0.800%
Zirconium dioxide	1314-23-4	0.200%
dark blue		
Pigment Blue 29	57455-37-5	1.000%

light blue		
Pigment Blue 29	57455-37-5	0.600%
Zirconium dioxide	1314-23-4	0.400%
yellow		
Pigment Yellow 14	5468-75-7	1.000%
grey		
Carbon black	1333-86-4	0.300%
Zirconium dioxide	1314-23-4	0.700%
dark grey		
Carbon black	1333-86-4	0.400%
Zirconium dioxide	1314-23-4	0.600%
brown		
Pigment Red 5	6410-41-9	0.200%
Carbon black	1333-86-4	0.100%
Zirconium dioxide	1314-23-4	0.700%
dark brown		
Pigment Red 5	6410-41-9	0.400%
Carbon black	1333-86-4	0.300%
Zirconium dioxide	1314-23-4	0.300%
gold		
Pigment Yellow 14	5468-75-7	0.800%
Pigment Orange 13	3520-72-7	0.200%
rose		
Pigment Red 5	6410-41-9	0.700%
Zirconium dioxide	1314-23-4	0.300%
light pink		
Pigment Red 5	6410-41-9	0.300%
Zirconium dioxide	1314-23-4	0.700%
pink		
Pigment Red 5	6410-41-9	0.400%
Zirconium dioxide	1314-23-4	0.600%
dark pink		
Pigment Red 5	6410-41-9	0.600%
Zirconium dioxide	1314-23-4	0.400%
purple		
Pigment Violet 23	6358-30-1	1.000%
light purple		
Zirconium dioxide	1314-23-4	0.400%
Pigment Violet 23	6358-30-1	0.600%
light green		
Pigment Green 36	14302-13-7	0.500%
Zirconium dioxide	1314-23-4	0.500%
green		
Pigment Green 36	14302-13-7	0.800%
Zirconium dioxide	1314-23-4	0.200%
orange		
Pigment Orange 13	3520-72-7	1.000%
light orange		
Pigment Orange 13	3520-72-7	0.500%
Zirconium dioxide	1314-23-4	0.500%
silver		
Aluminum	7429-90-5	1.000%
white		
Zirconium dioxide	1314-23-4	1.000%
sky blue		
C.I. Pigment Blue 60	81-77-6	0.8%%
Zirconium dioxide	1314-23-4	0.200%
kelly		
Pigment Green 36	14302-13-7	0.500%
Pigment Yellow 14	5468-75-7	0.500%
royalblue		
C.I. Pigment Blue 15	147-14-8	1.000%
lemon yellow		
Pigment Green 36	14302-13-7	0.200%
Pigment Yellow 14	5468-75-7	0.700%
Zirconium dioxide	1314-23-4	0.100%

navy		
C.I. Pigment Blue 15	147-14-8	0.900%
Zirconium dioxide	1314-23-4	0.100%
The dodgers blue		
C.I. Pigment Blue 15	147-14-8	0.800%
Zirconium dioxide	1314-23-4	0.200%
chocolate		
Pigment Red 5	6410-41-9	0.500%
Carbon black	1333-86-4	0.500%
alice blue		
C.I. Pigment Blue 15	147-14-8	0.200%
Zirconium dioxide	1314-23-4	0.800%
watermelon red		
Pigment Red 202	3089-17-6	0.900%
Zirconium dioxide	1314-23-4	0.100%
mustard		
Pigment Green 36	14302-13-7	0.300%
Pigment Yellow 14	5468-75-7	0.600%
Zirconium dioxide	1314-23-4	0.100%
bose		
Pigment Red 202	3089-17-6	0.100%
Carbon black	1333-86-4	0.700%
Zirconium dioxide	1314-23-4	0.200%
ashen		
Pigment Red 202	3089-17-6	0.300%
Carbon black	1333-86-4	0.200%
Zirconium dioxide	1314-23-4	0.500%
drill red		
Pigment Red 202	3089-17-6	0.900%
Carbon black	1333-86-4	0.100%
palm green		
Pigment Green 36	14302-13-7	0.800%
Pigment Yellow 14	5468-75-7	0.200%
coralline		
Pigment Yellow 14	5468-75-7	0.300%
Pigment Orange 13	3520-72-7	0.700%
olive green		
Pigment Green 36	14302-13-7	0.300%
Pigment Yellow 14	5468-75-7	0.100%
Zirconium dioxide	1314-23-4	0.600%

Full text of H-phrases: see section 16

SECTION 4:First aid measures

Description of first aid measures

First-aid measures general:Never gove anything by mouth to an unconscious person.If you feel unwell,seek medical advice(show the label where possible)

First-aid measures after inhalation:When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries:Eye irritation

Symptoms/injuries after inhalation: None

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5:Firefighting measures

Extinguishing media

Suitable extinguishing media: Dry chemical,alcohol foam,carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special hazards arising from the substance or mixture

Fire hazard:No information available

Explosion hazard: No information available

Reactivity: No information available

Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire.

Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6:Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Avoid breathing(vapor,mist). Use only outdoors in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice.

For non-emergency personnel

Protective equipment: Use appropriate personal protection equipment(PPE).

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Equip crew with proper protection. Use appropriate personal protection equipment(PPE).

Emergency procedures: Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

For containment: Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7:Handling and storage

Precautions for safe handling

Additional hazards when processed: No information available

Precautions for safe handling: Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing mist, spray, vapours. Use only outdoors or in a well-ventilated area. Wear recommended personal protective equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment.

Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible products: Strong acids. Strong bases. Strong oxidizers.

Incompatible materials: Heat sources.

Storage area: Keep in fireproof place.

Special rules on packaging: Attacks many plastics.

Specific end use(s)

No information available

SECTION 8:Exposure controls/personal protection

Control parameters

USA ACGIH	ACGIH TWA (ppm)	No information available
USA ACGIH	ACGIH STEL (ppm)	No information available
USA NIOSH	NIOSH REL (TWA)(mg/m3)	No information available
USA NIOSH	NIOSH REL (TWA) (ppm)	No information available
USA IDLH	US IDLH (ppm)	No information available
USA OSHA	OSHA PEL (TWA) (mg/m3)	No information available
USA OSHA	OSHA PEL (TWA) (ppm)	No information available

Exposure controls

Appropriate engineering controls:

Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment :

Fireproof clothing. Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves.



Hand protection:

Eye protection:

Skin and body protection:

Respiratory protection:

Thermal hazard protection:

Other information:

Wear chemically resistant protective gloves.

Chemical goggles or safety glasses.

Wear fireproof clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Wear suitable protective clothing.

When using, do not eat, drink or smoke.

SECTION 9:Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Flash point value:	>70 °C
Appearance:	Paint.
Colour :	Black/ Red/ Light Pink/ Light Blue/ Green/ Light Green/ Purple/ Rose/ Dark Blue Light Purple/ Gold/ Silver/ Yellow/ Orange/white/skin color/light skin color/light ye brown/ light borown/ blue/ grey/pink/dark pink/light orange/sky blue/royalblue/mus lemon yellow/navy/The dodgers blue/chocolate/alice blue/watermelon red/dark gr pale pinkish grey/bose/ashen/drill red/palm green/coralline/olive green
Odour:	None
Odour threshold:	No data available
pH :	No data available
Relative evaporation rate (butylacetate=1) :	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash Point:	No data available
Auto-ignition temperature:	No data available
Decomposition Temperature :	No data available
Flammability (solid, gas) :	Non-flammability
Vapour pressure :	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	No data available
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	Non-explosive
Oxidising properties:	No data available
Explosive limits:	Not applicable
Other information	
No additional information available	

SECTION 10:Stability and reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended handling and storage conditions (see section 7).
Possibility Of Hazardous Reactions	No data available
Conditions To Avoid	Avoid ignition sources. Heat. Sparks. Open flame. Direct sunlight. Extremely high or low temperatures.
Incompatible Materials	No data available
Hazardous Decomposition Products	No data available

SECTION 11:Toxicological information

Information on toxicological effects

Acute toxicity:	Not classified
LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat (mg/l)	No data available
Skin corrosion/irritation: Not classified	
Serious eye damage/irritation: Causes serious eye irritation.	
Respiratory or skin sensitisation: Not classified	
Germ cell mutagenicity: Not classified	
Carcinogenicity: Not classified	
Reproductive toxicity: Not classified	
Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.	
Specific target organ toxicity (repeated exposure): Not classified	
Aspiration hazard: Not classified	
Symptoms/injuries after inhalation: May cause drowsiness or dizziness.	
Symptoms/injuries after eye contact: Causes serious eye irritation.	
Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.	

SECTION 12: Ecological information

Toxicity

LC50 fishes 1	No data available
EC50 Daphnia 1	No data available
LC50 fish 2	No data available
EC50 Daphnia 2	No data available

Persistence and degradability

Persistence and degradability	No data available
Bioaccumulative potential	
BCF fish 1	No data available
Log Kow	No data available
Bioaccumulative potential	Not established.

Mobility in soil

No additional information available

Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste): U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII. U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents. U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards. U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics.

Waste disposal recommendations: To be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: No additional information available

SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

UN number

UN-No.(DOT): Not available

DOT NA no. Not available

UN proper shipping name

Department of Transportation (DOT): Not available

Hazard Classes

Hazard labels (DOT): Not available

Packing group (DOT): Not available

DOT Special Provisions (49 CFR 172.102): Not available

DOT Packaging Exceptions (49 CFR 173.xxx): Not available

DOT Packaging Non Bulk (49 CFR 173.xxx): Not available

DOT Packaging Bulk (49 CFR 173.xxx): Not available

Additional information

Emergency Response Guide (ERG)Number: Not available

Other information: No supplementary information available.

Transport by sea

DOT Vessel Stowage Location: Not available

MFAG-No.: Not available

Air transport

DOT Quantity Limitations Passenger: Not available

aircraft/rail (49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft: Not available

only (49 CFR 175.75)

SECTION 15: Regulatory information

US Federal regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
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US State regulations

State or local regulations	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
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SECTION 16: Other information

Indication of changes: 2/15/2022

Other information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 0 -Minimal Hazard.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Acrylic Paint

Safety Data Sheet

according to Federal Register/Vol.77, No.58/Monday, March 26, 2012/Rules and Regulations

Revision date:6/02/2022

Supersedes:01/01/2000

Version:1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Product form: Substance
Substance name: Acrylic Paint
CAS No: N/A
Formula: N/A
Synonyms: N/A

Intended Use of The Product

Use of the substance/mixture: paint it on the product surface

Name, Address, And Telephone Of The Responsible Party

Ningbo Sew- Star Int'l Trading Co., Ltd. 4/F., BLOCK B, 227 W. YONGFENG Rd.Ningbo China
0086-574-87382619

Emergency telephone number

Emergency number: 0086-574-63754856

SECTION 2: Hazards identification

Classification of the substance or mixture

The product is not classified according to OSHA Hazard Communication Standard(29 cfr 1910.1200)

Information concerning particular hazards for human and environment:

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard(29 CFR 1910.1200)

Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard(29 CFR 1910.1200), and extended by company and literature

Label elements

Label according to OSHA Hazard Communication Standard(29 CFR 1910.1200)

Hazard pictograms(GHS-US): Not applicable

Signal word (GHS-US) : Not applicable

Hazard-determining components Not applicable

Hazard statements (GHS-US): Not applicable

Precautionary statements (GHS-US): Not applicable

Classifications for flammable

liquids (GHS-US):

Hazards not otherwise classified(HNOC) No further relevant information available.

Other hazards

No additional information available

Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

Substances

Composition:		
Acrylic resin emulsion	9003-01-4	0.90%
Water	7732-18-5	78.00%
Starch	9005-25-8	14.10%
Glycerin	56-81-5	6.00%
Pigment Yellow 14	5468-75-7	1.000%
Zirconium dioxide	1314-23-4	0.300%

Full text of H-phrases: see section 16

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible)

First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Eye irritation

Symptoms/injuries after inhalation: None

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5:Firefighting measures

Extinguishing media

Suitable extinguishing media: Dry chemical,alcohol foam,carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special hazards arising from the substance or mixture

Fire hazard:No information available

Explosion hazard: No information available

Reactivity: No information available

Advice for firefighters

Firefighting instructions:Exercise caution when fighting any chemical fire.

Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6:Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures:Use special care to avoid static electric charges.Keep away from heat/sparks/open flames/hot surfaces.-No smoking.Avoid breathing(vapor,mist).Use only outdoors in a well-ventilated area.Handle in accordance with good industrial hygiene and safety practice.

For non-emergency personnel

Protective equipment:Use appropriate personal protection equipment(PPE).

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment:Equip crew with proper protection.Use appropriate personal protection equipment(PPE).

Emergency procedures: Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

For containment:Absorb and/or contain spill with inert material,then place in suitable container.Do not take up in combustible material such as:saw dust or cellulosic material.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7:Handling and storage

Precautions for safe handling

Additional hazards when processed:No information available

Precautions for safe handling: Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing mist, spray, vapours. Use only outdoors or in a well-ventilated area. Wear recommended personal protective equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage, including any incompatibilities

Technical measures:Proper grounding procedures to avoid ststic electricity should be followed.Ground/bond container and receiving equipmet.Use explosion-proof electrical,lighting,ventilating equipment.

Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible products: Strong acids. Strong bases. Strong oxidizers.

Incompatible materials: Heat sources.

Storage area: Keep in fireproof place.

Special rules on packaging: Attacks many plastics.

Specific end use(s)

No information available

SECTION 8:Exposure controls/personal protection

Control parameters

USA ACGIH	ACGIH TWA (ppm)	No information available
USA ACGIH	ACGIH STEL (ppm)	No information available
USA NIOSH	NIOSH REL (TWA)(mg/m3	No information available
USA NIOSH	NIOSH REL (TWA) (ppm)	No information available
USA IDLH	US IDLH (ppm)	No information available
USA OSHA	OSHA PEL (TWA) (mg/m3	No information available
USA OSHA	OSHA PEL (TWA) (ppm)	No information available

Exposure controls

Appropriate engineering controls:

Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment :

Fireproof clothing. Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves.



Hand protection:
Eye protection:
Skin and body protection:

Respiratory protection:

Thermal hazard protection:
Other information:

Wear chemically resistant protective gloves.
Chemical goggles or safety glasses.
Wear fireproof clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Wear suitable protective clothing.
When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Paint.
Colour :	Yellow
Odour:	None
Odour threshold:	No data available
pH :	No data available
Relative evaporation rate (butylacetate=1) :	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash Point:	>180 °C
Auto-ignition temperature:	No data available
Decomposition Temperature :	No data available
Flammability (solid, gas) :	Non-flammability
Vapour pressure :	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	No data available
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	Non-explosive
Oxidising properties:	No data available
Explosive limits:	Not applicable
Other information	
No additional information available	

SECTION 10: Stability and reactivity

Reactivity No data available

Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

Possibility Of Hazardous Reactions

No data available

Conditions To Avoid

Avoid ignition sources. Heat. Sparks. Open flame. Direct sunlight.
Extremely high or low temperatures.

Incompatible Materials

No data available

Hazardous Decomposition Products

No data available

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity: Not classified

LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat (mg/l)	No data available

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: Ecological information

Toxicity

LC50 fishes 1	No data available
EC50 Daphnia 1	No data available
LC50 fish 2	No data available
EC50 Daphnia 2	No data available

Persistence and degradability

Persistence and degradability	No data available
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Bioaccumulative potential

BCF fish 1	No data available
Log Kow	No data available

Bioaccumulative potential	Not established.
Mobility in soil	

No additional information available

Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste): U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII. U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents. U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards. U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics.

Waste disposal recommendations: To be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: No additional information available

SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

UN number

UN-No.(DOT): Not available

DOT NA no. Not available

UN proper shipping name

Department of Transportation (DOT): Not available

Hazard Classes

Hazard labels (DOT): Not available

Packing group (DOT): Not available

DOT Special Provisions (49 CFR 172.102): Not available

DOT Packaging Exceptions (49 CFR 173.xxx): Not available

DOT Packaging Non Bulk (49 CFR 173.xxx): Not available

DOT Packaging Bulk (49 CFR 173.xxx): Not available

Additional information

Emergency Response Guide (ERG)Number: Not available

Other information: No supplementary information available.

Transport by sea

DOT Vessel Stowage Location: Not available

MFAG-No.: Not available

Air transport

DOT Quantity Limitations Passenger: Not available

aircraft/rail (49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft: Not available

only (49 CFR 175.75)

SECTION 15: Regulatory information

US Federal regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
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US State regulations

State or local regulations	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
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SECTION 16: Other information

Indication of changes: 6/02/2022

Other information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 0 -Minimal Hazard.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Acrylic Paint

Safety Data Sheet

according to Federal Register/Vol.77, No.58/Monday, March 26, 2012/Rules and Regulations

Revision date:6/02/2022

Supersedes:01/01/2000

Version:1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Product form: Substance
Substance name: Acrylic Paint
CAS No: N/A
Formula: N/A
Synonyms: N/A

Intended Use of The Product

Use of the substance/mixture: paint it on the product surface

Name, Address, And Telephone Of The Responsible Party

Ningbo Sew- Star Int'l Trading Co., Ltd. 4/F., BLOCK B, 227 W. YONGFENG Rd.Ningbo China
0086-574-87382619

Emergency telephone number

Emergency number: 0086-574-63754856

SECTION 2: Hazards identification

Classification of the substance or mixture

The product is not classified according to OSHA Hazard Communication Standard(29 cfr 1910.1200)

Information concerning particular hazards for human and environment:

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard(29 CFR 1910.1200)

Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard(29 CFR 1910.1200), and extended by company and literature

Label elements

Label according to OSHA Hazard Communication Standard(29 CFR 1910.1200)

Hazard pictograms(GHS-US): Not applicable

Signal word (GHS-US) : Not applicable

Hazard-determining components Not applicable

Hazard statements (GHS-US): Not applicable

Precautionary statements (GHS-US): Not applicable

Classifications for flammable

liquids (GHS-US):

Hazards not otherwise classified(HNOC) No further relevant information available.

Other hazards

No additional information available

Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

Substances

Composition:		
Acrylic resin emulsion	9003-01-4	0.90%
Water	7732-18-5	78.00%
Starch	9005-25-8	14.10%
Glycerin	56-81-5	6.00%
Carbon black	1333-86-4	1.000%

Full text of H-phrases: see section 16

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible)

First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Eye irritation

Symptoms/injuries after inhalation: None

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Dry chemical, alcohol foam, carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special hazards arising from the substance or mixture

Fire hazard: No information available

Explosion hazard: No information available

Reactivity: No information available

Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire.

Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing (vapor, mist). Use only outdoors in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice.

For non-emergency personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Equip crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency procedures: Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

For containment: Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed: No information available

Precautions for safe handling: Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing mist, spray, vapours. Use only outdoors or in a well-ventilated area. Wear recommended personal protective equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment.

Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible products: Strong acids. Strong bases. Strong oxidizers.

Incompatible materials: Heat sources.

Storage area: Keep in fireproof place.

Special rules on packaging: Attacks many plastics.

Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

Control parameters

USA ACGIH	ACGIH TWA (ppm)	No information available
USA ACGIH	ACGIH STEL (ppm)	No information available
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	No information available
USA NIOSH	NIOSH REL (TWA) (ppm)	No information available
USA IDLH	US IDLH (ppm)	No information available
USA OSHA	OSHA PEL (TWA) (mg/m ³)	No information available
USA OSHA	OSHA PEL (TWA) (ppm)	No information available

Exposure controls

Appropriate engineering controls:

Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Fireproof clothing. Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves.



Hand protection:

Wear chemically resistant protective gloves.

Eye protection:

Chemical goggles or safety glasses.

Skin and body protection:

Wear fireproof clothing.

Respiratory protection:

If exposure limits are exceeded or irritation is experienced,NIOSH approved respiratory protection should be worn.

Thermal hazard protection:

Wear suitable protective clothing.

Other information:

When using,do not eat,drink or smoke.

SECTION 9:Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Flash point value:	>180°C
Appearance:	Paint.
Colour :	Black
Odour:	None
Odour threshold:	No data available
pH :	No data available
Relative evaporation rate (butylacetate=1) :	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash Point:	No data available
Auto-ignition temperature:	No data available
Decomposition Temperature :	No data available
Flammability (solid, gas) :	Non-flammability
Vapour pressure :	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	No data available
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	Non-explosive
Oxidising properties:	No data available
Explosive limits:	Not applicable

Other information

No additional information available

SECTION 10:Stability and reactivity

Reactivity No data available

Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

Possibility Of Hazardous Reactions

No data available

Conditions To Avoid

Avoid ignition sources. Heat. Sparks. Open flame. Direct sunlight.
Extremely high or low temperatures.

Incompatible Materials

No data available

Hazardous Decomposition Products

No data available

SECTION 11:Toxicological information

Information on toxicological effects

Acute toxicity: Not classified

LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat (mg/l)	No data available

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: Ecological information

Toxicity

LC50 fishes 1	No data available
EC50 Daphnia 1	No data available
LC50 fish 2	No data available
EC50 Daphnia 2	No data available

Persistence and degradability

Persistence and degradability	No data available
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Bioaccumulative potential

BCF fish 1	No data available
Log Kow	No data available
Bioaccumulative potential	Not established.

Mobility in soil

No additional information available

Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste): U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII. U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents. U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards. U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics.

Waste disposal recommendations: To be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: No additional information available

SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

UN number
UN-No.(DOT): Not available
DOT NA no. Not available
UN proper shipping name

Department of Transportation (DOT): Not available

Hazard Classes

Hazard labels (DOT): Not available

Packing group (DOT): Not available

DOT Special Provisions (49 CFR 172.102): Not available

DOT Packaging Exceptions (49 CFR 173.xxx): Not available

DOT Packaging Non Bulk (49 CFR 173.xxx): Not available

DOT Packaging Bulk (49 CFR 173.xxx): Not available

Additional information

Emergency Response Guide (ERG)Number: Not available

Other information: No supplementary information available.

Transport by sea

DOT Vessel Stowage Location: Not available

MFAG-No.: Not available

Air transport

DOT Quantity Limitations Passenger: Not available

aircraft/rail (49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft: Not available

only (49 CFR 175.75)

SECTION 15: Regulatory information

US Federal regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

US State regulations

State or local regulations	U.S. - Massachusetts - Right To Know List
	U.S. - New Jersey - Right to Know Hazardous Substance List
	U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Indication of changes: 6/02/2022

Other information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 0 -Minimal Hazard.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Acrylic Paint

Safety Data Sheet

according to Federal Register/Vol.77, No.58/Monday, March 26, 2012/Rules and Regulations

Revision date: 6/02/2022

Supersedes: 01/01/2000

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Product form: Substance
Substance name: Acrylic Paint
CAS No: N/A
Formula: N/A
Synonyms: N/A

Intended Use of The Product

Use of the substance/mixture: paint it on the product surface

Name, Address, And Telephone Of The Responsible Party

Ningbo Sew- Star Int'l Trading Co., Ltd. 4/F., BLOCK B, 227 W. YONGFENG Rd. Ningbo China
0086-574-87382619

Emergency telephone number

Emergency number: 0086-574-63754856

SECTION 2: Hazards identification

Classification of the substance or mixture

The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

Information concerning particular hazards for human and environment:

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature

Label elements

Label according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazard pictograms (GHS-US): Not applicable

Signal word (GHS-US): Not applicable

Hazard-determining components: Not applicable

Hazard statements (GHS-US): Not applicable

Precautionary statements (GHS-US): Not applicable

Classifications for flammable

liquids (GHS-US):

Hazards not otherwise classified (HNOC) No further relevant information available.

Other hazards

No additional information available

Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

Substances

Composition:		
Acrylic resin emulsion	9003-01-4	0.90%
Water	7732-18-5	78.00%
Starch	9005-25-8	14.10%
Glycerin	56-81-5	6.00%
blue		
Pigment Blue 29	57455-37-5	0.800%
Zirconium dioxide	1314-23-4	0.200%

Full text of H-phrases: see section 16

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Eye irritation

Symptoms/injuries after inhalation: None

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5:Firefighting measures

Extinguishing media

Suitable extinguishing media: Dry chemical,alcohol foam,carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special hazards arising from the substance or mixture

Fire hazard:No information available

Explosion hazard: No information available

Reactivity: No information available

Advice for firefighters

Firefighting instructions:Exercise caution when fighting any chemical fire.

Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6:Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures:Use special care to avoid static electric charges.Keep away from heat/sparks/open flames/hot surfaces.-No smoking.Avoid breathing(vapor,mist).Use only outdoors in a well-ventilated area.Handle in accordance with good industrial hygiene and safety practice.

For non-emergency personnel

Protective equipment:Use appropriate personal protection equipment(PPE).

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment:Equip crew with proper protection.Use appropriate personal protection equipment(PPE).

Emergency procedures: Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

For containment:Absorb and/or contain spill with inert material,then place in suitable container.Do not take up in combustible material such as:saw dust or cellulosic material.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7:Handling and storage

Precautions for safe handling

Additional hazards when processed:No information available

Precautions for safe handling: Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing mist, spray, vapours. Use only outdoors or in a well-ventilated area. Wear recommended personal protective equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage, including any incompatibilities

Technical measures:Proper grounding procedures to avoid ststic electricity should be followed.Ground/bond container and receiving equipmet.Use explosion-proof electrical,lighting,ventilating equipment.

Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible products: Strong acids. Strong bases. Strong oxidizers.

Incompatible materials: Heat sources.

Storage area: Keep in fireproof place.

Special rules on packaging: Attacks many plastics.

Specific end use(s)

No information available

SECTION 8:Exposure controls/personal protection

Control parameters

USA ACGIH	ACGIH TWA (ppm)	No information available
USA ACGIH	ACGIH STEL (ppm)	No information available
USA NIOSH	NIOSH REL (TWA)(mg/m3	No information available
USA NIOSH	NIOSH REL (TWA) (ppm)	No information available
USA IDLH	US IDLH (ppm)	No information available
USA OSHA	OSHA PEL (TWA) (mg/m3	No information available
USA OSHA	OSHA PEL (TWA) (ppm)	No information available

Exposure controls

Appropriate engineering controls:

Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment :

Fireproof clothing. Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves.



Hand protection:
Eye protection:
Skin and body protection:

Respiratory protection:

Thermal hazard protection:
Other information:

Wear chemically resistant protective gloves.
Chemical goggles or safety glasses.
Wear fireproof clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Wear suitable protective clothing.
When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Flash point value:	>180 °C
Appearance:	Paint.
Colour :	Blue
Odour:	None
Odour threshold:	No data available
pH :	No data available
Relative evaporation rate (butylacetate=1) :	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash Point:	No data available
Auto-ignition temperature:	No data available
Decomposition Temperature :	No data available
Flammability (solid, gas) :	Non-flammability
Vapour pressure :	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	No data available
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	Non-explosive
Oxidising properties:	No data available
Explosive limits:	Not applicable
Other information	
No additional information available	

SECTION 10: Stability and reactivity

Reactivity No data available

Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

Possibility Of Hazardous Reactions

No data available

Conditions To Avoid

Avoid ignition sources. Heat. Sparks. Open flame. Direct sunlight.
Extremely high or low temperatures.

Incompatible Materials

No data available

Hazardous Decomposition Products

No data available

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity: Not classified

LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat (mg/l)	No data available

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: Ecological information

Toxicity

LC50 fishes 1	No data available
EC50 Daphnia 1	No data available
LC50 fish 2	No data available
EC50 Daphnia 2	No data available

Persistence and degradability

Persistence and degradability	No data available
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Bioaccumulative potential

BCF fish 1	No data available
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Log Kow	No data available
Bioaccumulative potential	Not established.
Mobility in soil	

No additional information available

Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste): U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII. U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents. U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards. U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics.

Waste disposal recommendations: To be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: No additional information available

SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

UN number

UN-No.(DOT): Not available

DOT NA no. Not available

UN proper shipping name

Department of Transportation (DOT): Not available

Hazard Classes

Hazard labels (DOT): Not available

Packing group (DOT): Not available

DOT Special Provisions (49 CFR 172.102): Not available

DOT Packaging Exceptions (49 CFR 173.xxx): Not available

DOT Packaging Non Bulk (49 CFR 173.xxx): Not available

DOT Packaging Bulk (49 CFR 173.xxx): Not available

Additional information

Emergency Response Guide (ERG)Number: Not available

Other information: No supplementary information available.

Transport by sea

DOT Vessel Stowage Location: Not available

MFAG-No.: Not available

Air transport

DOT Quantity Limitations Passenger: Not available

aircraft/rail (49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft: Not available

only (49 CFR 175.75)

SECTION 15: Regulatory information

US Federal regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
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US State regulations

State or local regulations	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
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SECTION 16: Other information

Indication of changes: 6/02/2022

Other information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 0 -Minimal Hazard.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Acrylic Paint

Safety Data Sheet

according to Federal Register/Vol.77, No.58/Monday, March 26, 2012/Rules and Regulations

Revision date:6/02/2022

Supersedes:01/01/2000

Version:1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Product form: Substance
Substance name: Acrylic Paint
CAS No: N/A
Formula: N/A
Synonyms: N/A

Intended Use of The Product

Use of the substance/mixture: paint it on the product surface

Name, Address, And Telephone Of The Responsible Party

Ningbo Sew- Star Int'l Trading Co., Ltd. 4/F., BLOCK B, 227 W. YONGFENG Rd.Ningbo China
0086-574-87382619

Emergency telephone number

Emergency number: 0086-574-63754856

SECTION 2: Hazards identification

Classification of the substance or mixture

The product is not classified according to OSHA Hazard Communication Standard(29 cfr 1910.1200)

Information concerning particular hazards for human and environment:

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard(29 CFR 1910.1200)

Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard(29 CFR 1910.1200), and extended by company and literature

Label elements

Label according to OSHA Hazard Communication Standard(29 CFR 1910.1200)

Hazard pictograms(GHS-US): Not applicable

Signal word (GHS-US) : Not applicable

Hazard-determining components Not applicable

Hazard statements (GHS-US): Not applicable

Precautionary statements (GHS-US): Not applicable

Classifications for flammable

liquids (GHS-US):

Hazards not otherwise classified(HNOC) No further relevant information available.

Other hazards

No additional information available

Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

Substances

Composition:		
Acrylic resin emulsion	9003-01-4	0.90%
Water	7732-18-5	78.00%
Starch	9005-25-8	14.10%
Glycerin	56-81-5	6.00%
Pigment Red 5	6410-41-9	1.000%

Full text of H-phrases: see section 16

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible)

First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Eye irritation

Symptoms/injuries after inhalation: None

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Dry chemical, alcohol foam, carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special hazards arising from the substance or mixture

Fire hazard: No information available

Explosion hazard: No information available

Reactivity: No information available

Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire.

Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing (vapor, mist). Use only outdoors in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice.

For non-emergency personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Equip crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency procedures: Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

For containment: Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed: No information available

Precautions for safe handling: Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing mist, spray, vapours. Use only outdoors or in a well-ventilated area. Wear recommended personal protective equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment.

Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible products: Strong acids. Strong bases. Strong oxidizers.

Incompatible materials: Heat sources.

Storage area: Keep in fireproof place.

Special rules on packaging: Attacks many plastics.

Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

Control parameters

USA ACGIH	ACGIH TWA (ppm)	No information available
USA ACGIH	ACGIH STEL (ppm)	No information available
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	No information available
USA NIOSH	NIOSH REL (TWA) (ppm)	No information available
USA IDLH	US IDLH (ppm)	No information available
USA OSHA	OSHA PEL (TWA) (mg/m ³)	No information available
USA OSHA	OSHA PEL (TWA) (ppm)	No information available

Exposure controls

Appropriate engineering controls:

Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Fireproof clothing. Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves.



Hand protection:

Wear chemically resistant protective gloves.

Eye protection:

Chemical goggles or safety glasses.

Skin and body protection:

Wear fireproof clothing.

Respiratory protection:

If exposure limits are exceeded or irritation is experienced,NIOSH approved respiratory protection should be worn.

Thermal hazard protection:

Wear suitable protective clothing.

Other information:

When using,do not eat,drink or smoke.

SECTION 9:Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Flash point value:	>180°C
Appearance:	Paint.
Colour :	Red
Odour:	None
Odour threshold:	No data available
pH :	No data available
Relative evaporation rate (butylacetate=1) :	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash Point:	No data available
Auto-ignition temperature:	No data available
Decomposition Temperature :	No data available
Flammability (solid, gas) :	Non-flammability
Vapour pressure :	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	No data available
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	Non-explosive
Oxidising properties:	No data available
Explosive limits:	Not applicable

Other information

No additional information available

SECTION 10:Stability and reactivity

Reactivity No data available

Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

Possibility Of Hazardous Reactions

No data available

Conditions To Avoid

Avoid ignition sources. Heat. Sparks. Open flame. Direct sunlight.
Extremely high or low temperatures.

Incompatible Materials

No data available

Hazardous Decomposition Products

No data available

SECTION 11:Toxicological information

Information on toxicological effects

Acute toxicity: Not classified

LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat (mg/l)	No data available

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: Ecological information

Toxicity

LC50 fishes 1	No data available
EC50 Daphnia 1	No data available
LC50 fish 2	No data available
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Mobility in soil

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Other adverse effects

Other information: Avoid release to the environment.

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Waste treatment methods

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Additional information: No additional information available

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aircraft/rail (49 CFR 173.27)

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HMIS III Rating

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Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

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