

Material Safety Data Sheet (MSDS) For Liquid glue

Applicant: Jinhua Shunan Gluewater Factory

Address: The Inner of Huashuai Hardware Factory, Zhenbei Industrial District,
Xiaoshun Town, Jindong Zone, Jinhua City, Zhejiang Province

Prepared by: Ningbo Hatek Co., Ltd.

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Requested Regulation (EC) No.1907/2006&1272/2008

Signed for and on behalf of
Ningbo Hatek Co., Ltd

Milse Xie
Laboratory Manager



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Section 1 - Chemical Product and Company Identification

Product Name: Liquid glue

Model No.: /

Tel: /

Fax: /

Chemical Uses: /

Section 2 –Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

This mixture does not meet the criteria for classification in according with Regulation (EC) No.1272/2008.

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 4), H227

2.2 Label elements

Labeling according to Regulation (EC) No. 1272/2008

This mixture does not need to be labeled in according with Regulation (EC) No.1272/2008.

Hazard Pictogram:



Signal Word:

Warning

Hazard statements:

May cause an allergic skin reaction.

Combustible Liquid.

Precautionary statements:

Prevention:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from flames and hot surfaces. -No smoking.

Wear protective gloves/eye protection/face protection.

Response:

Get medical advice/attention if you feel unwell.

If swallowed: Call a poison center or doctor/physician.

If on skin: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

In case of fire: Use CO2, dry chemical, or foam to extinguish

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3 Other hazards:

Results of PBT and vPvB assessment

This mixture does not meet the criteria for PBT and vPvB.

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Section 3 – Composition/Information on Ingredient

Chemical Name	CAS No.	EC No.	Composition (in% by weight)
Poly(vinyl alcohol)	9002-89-5	209-183-3	7.3%
Formaldehyde	50-00-0	200-001-8	1.45%
Hydrochloric acid	7647-01-0	231-595-7	0.6%
5-Chloro-2-methyl-4-isothiazolin -3-one	26172-55-4	247-500-7	0.15%
Protopine	130-86-9	204-999-6	0.2%
Urea	57-13-6	200-315-5	0.2%
Water	7732-18-5	231-791-2	90.1%

Section 4 - First Aid Measures

After skin contact: Clean with soapy water.

After eye contact: Rinse opened eye for several minutes under running water.

After ingestion: If swallowed, dilute with water and induce vomiting. Never give fluids or induce vomiting to an unconscious person or person having convulsions. Seek medical attention immediately in this case.

Section 5 – Fire and Explosion Hazard Data

Extinguishing media: Small exergy CO₂, dry powder fire extinguishers, sand or clay, fire foam fire extinguisher, if involving charged device, preferably using dry powder fire extinguisher.

Specific hazards arising from the substance or mixture: Slight fire hazard when exposed to heat or flame. May expansion or decompose explosively when heated or involved in fire. Development of hazardous combustion gases or vapor possible in the event of fire.

Advice for fire-fighters: As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Fight fire from a safe distance, with adequate cover. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 - Accidental Release Measures

Environmental Protection: Isolation leakage polluted area, restricting access. Cut off the fire source.

Recommended emergency personnel wearing a dust mask (full cover), wearing protective clothing. Leakage areas keep ventilation.

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapours, mist, gas or dust. Avoid vapour formation.

Procedure for Cleaning/Collecting: Contain the spilled material using non-combustible absorbent and collect for disposal in accordance with local regulations using specified containers.

Section 7 - Handling and Storage

Handling Precautions: The use of human or corresponding mechanical equipment for foam stacking and waste recycling. Disposal of this material must be made in accordance with Federal, State and Local regulations.

Storage Precautions: Products must be stored in place of dike. Maintain warehouse cool, dry, ventilated, not subject to direct sunlight. Warehouse is strictly prohibited fireworks, from all sources of water, and equipped with the appropriate variety of fire equipment.

Section 8 - Exposure Controls, Personal Protection

Control parameters: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering controls: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting/equipment. Set up emergency exit and necessary risk-elimination area. Handle in accordance with good industrial hygiene and safety practice.

Eye protection: Wear chemical safety glasses.

Body protection: Wear protective overalls on infiltration.

Hand protection: Wash hands after completing work. Gloves recommended.

Other protection: 1. Work site prohibit smoking, eating and drinking; 2. Work complete, thorough cleaning; 3. Separate storage of toxic pollution by the clothes, washed the standby; 4. Pay attention to personal hygiene.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Odor: Odorless

PH value: N/A

Vapor Pressure: N/A

Melting point: N/A

Boiling point: N/A

Flammability(solid, gas): N/A

Vapor Density (Air = 1): N/A

Decomposition Temperature: N/A

Evaporation rate (butyl acetate = 1): N/A

Natural temperature: N/A

Density (water = 1): N/A

Flash Point: 65.6°C

Other information: N/A

Section 10 - Stability and Reactivity

Stability: normal conditions and stability.

Avoid material: Dimethyl benzene, Acetone and other solvents.

Avoid contact with conditions: 1. Avoid heat, fire environment; 2. Avoid strong oxidizing environment; 3. Avoid exposure to strong acidic environment.

Aggregate hazard: N/A

Decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Acute toxicity:

Component	Cas No.	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Poly(vinyl alcohol)	9002-89-5	23854mg/kg(Rat)	No information available	No information available
Formaldehyde	50-00-0	100mg/kg(Rat)	420mg/kg(Rat)	203mg/m ³ (Rat)
Hydrochloric acid	7647-01-0	900mg/kg(rabbit)	No information available	3124ppm/1H(rat)
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No information available	No information available	No information available
Protopine	130-86-9	237mg/kg(guinea pig)	No information available	No information available
Urea	57-13-6	8471mg/kg(Rat)	8200mg/kg(Rat)	No information available
Water	7732-18-5	No information available	No information available	No information available

Carcinogenicity:

Component	Cas No.	IARC	NTP
Poly(vinyl alcohol)	9002-89-5	Not Listed	Not Listed
Formaldehyde	50-00-0	Not Listed	Not Listed
Hydrochloric acid	7647-01-0	Not Listed	Not Listed
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	Not Listed	Not Listed
Protopine	130-86-9	Not Listed	Not Listed
Urea	57-13-6	Not Listed	Not Listed
Water	7732-18-5	Not Listed	Not Listed

Others:

Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met

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Reproductive toxicity(additional)		Based on available data, the classification criteria are not met		
Section 12 - Ecological Information				
Acute aquatic toxicity:				
Component	Cas No.	Fish	Crustaceans	Algae
Poly(vinyl alcohol)	9002-89-5	No information available	No information available	No information available
Formaldehyde	50-00-0	No information available	No information available	No information available
Hydrochloric acid	7647-01-0	No information available	No information available	No information available
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No information available	No information available	No information available
Protopine	130-86-9	No information available	No information available	No information available
Urea	57-13-6	No information available	No information available	No information available
Water	7732-18-5	No information available	No information available	No information available
Chronic aquatic toxicity:				
Component	Cas No.	Fish	Crustaceans	Algae
Poly(vinyl alcohol)	9002-89-5	No information available	No information available	No information available
Formaldehyde	50-00-0	No information available	No information available	No information available
Hydrochloric acid	7647-01-0	No information available	No information available	No information available
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No information available	No information available	No information available
Protopine	130-86-9	No information available	No information available	No information available
Urea	57-13-6	No information available	No information available	No information available
Water	7732-18-5	No information available	No information available	No information available
Persistence and degradability:				
Component	Cas No.	Persistence (water/soil)	Persistence (air)	
Poly(vinyl alcohol)	9002-89-5	Low	Low	
Formaldehyde	50-00-0	Low	Low	
Hydrochloric acid	7647-01-0	Low	Low	
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	Low	Low	

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Protopine	130-86-9	Low	Low
Urea	57-13-6	Low	Low
Water	7732-18-5	Low	Low

Bioaccumulative potential:

Component	Cas No.	Bioaccumulative potential	comments
Poly(vinyl alcohol)	9002-89-5	Low	No information available
Formaldehyde	50-00-0	Low	No information available
Hydrochloric acid	7647-01-0	Low	No information available
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	Low	No information available
Protopine	130-86-9	Low	No information available
Urea	57-13-6	Low	No information available
Water	7732-18-5	Low	No information available

Mobility in soil:

Component	Cas No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (KOC)
Poly(vinyl alcohol)	9002-89-5	Low	No information available
Formaldehyde	50-00-0	Low	No information available
Hydrochloric acid	7647-01-0	Low	No information available
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	Low	No information available
Protopine	130-86-9	Low	No information available
Urea	57-13-6	Low	No information available
Water	7732-18-5	Low	No information available

Results of PBT and vPvB assessment:

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 1907/2006)
Poly(vinyl alcohol)	9002-89-5	not PBT/vPvB
Formaldehyde	50-00-0	not PBT/vPvB

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Hydrochloric acid	7647-01-0	not PBT/vPvB
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	not PBT/vPvB
Protopine	130-86-9	not PBT/vPvB
Urea	57-13-6	not PBT/vPvB
Water	7732-18-5	not PBT/vPvB

Section 13 - Disposal Considerations

Waste characteristics: Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.

Waste disposal method: Follow federal, state and local department all provision about health and abandoned handling.

Waste Note: N/A

Section 14 - Transport Information

Transportation Note: Transport ago, examine containers is complete, seal or not, ensure that the container does not leak, does not collapse, and does not fall and no damage. Strictly prohibited with oxidants, food chemicals and other mixed loading mixed transportation. Conveyance must be thoroughly cleaned, disinfected, or not shipped with other goods.

IMDG-CODE: NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.

ICAO/IATA-DG: NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.

UN-ADR: NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

Chemical Safety Assessment: N/A

Section 16 - Additional Information

References: N/A

Guidance Department: N/A

Data Audit Unit: N/A

Edit Description: N/A

Abbreviations and acronyms:

CAS - Chemical Abstracts Service

IARC - International Agency for Research on Cancer

LC50 - Lethal Concentration 50%

LD50 - Lethal Dose 50%

PBT - Persistent, Bioaccumulative, Toxic

vPvB - very Persistent, very Bioaccumulative

IMDG - International Maritime Dangerous Goods

ICAO/IATA - International Civil Aviation Organization/ International Air Transportation Association

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UN - The United Nations

Disclaimer:

This Safety Data Sheet (SDS) was prepared according to REACH Regulation the data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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Material Safety Data Sheet (MSDS)

Samples Name: 4-in-1 Science Project Kit

Model: SKY5957

Client Name : NINGBO UNION VISION IMP & EXP CO. LTD

Client Address: 16F,NO.288 Guanghua RD.Ningbo National Hi Tech Zone,Ningbo, China 315103

Signed for and on behalf of
Eurones (Dongguan) Consumer Products Testing Service Co., Ltd



WRITTEN BY :

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Pan Jian Ding, Will
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Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Samples Name: 4-in-1 Science Project Kit

Model: SKY5957

Sample quantity: 1

Client Name : NINGBO UNION VISION IMP & EXP CO. LTD

Client Address: 16F,NO.288 Guanghua RD.Ningbo National Hi Tech Zone,Ningbo, China 315103

Trader: NINGBO UNION VISION IMP & EXP CO. LTD

Trader Address: 16F,NO.288 Guanghua RD.Ningbo National Hi Tech Zone,Ningbo, China 315103

Manufacturer: QINGBAO TOYS CO., LTD

Manufactured Address: Chenghai District, Shantou City, Guangdong Province

Contact Person: Frank

Tel: 18867966228

Section 2 - Hazards Identification

Fatality grade: In accordance with Regulation (EC) No. 1272/2008, the sample is not divided into dangerous article.

Invasion route:

Skin contact: No harm in normal use.

Eyes contact: May stimulate the eyes.

Inhalation: Inhalation of its vapor is harmful.

Ingestion: It can cause our stomach upset if we swallowed.

Health hazards: Inhalation of its vapor is harmful, It can cause our stomach upset if we swallowed.

Environment hazards: No harm in normal use.

Burn & burst danger: The sample is not flammable

Section 3 -Composition/Information on Ingredients

Substance ☐ Admixture ☒

Chemical composition:

Chemical name	CAS No.	Composition (in% by weight)
NAHCO ₃	144-55-8	55%
Pigment Orange 13	3520-72-7	5%
C ₆ H ₁₀ O ₈	5949-29-1	45%

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Section 4 - First Aid Measures

Skin touch: None.

Eyes touch: Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water. Get medical aid.

Inhalation: If exposure to fumes from overheating, move to fresh air immediately. Keep the respiratory tract smooth. Use oxygen if available. Get medical aid.

Ingestion: Drink sufficient hot water and induce vomiting. Get medical aid.

Section 5 - Fire Fighting Measures

Danger characteristic: The sample is not flammable

Hazardous combustion products: Decomposition product unknown

Fire-Fighting method & media: The staff must equip with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defense the fire and the toxic gas. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible. Spray water on the containers in the fireplace to keep them cool. Media: Use water mist, dry powder, foam or carbon dioxide extinguishing agent.

Section 6 -Accidental Release Measures

Emergency treatment: Cut off the fire source. Evacuate the personnel to a safe place as soon as possible, isolate the polluted area, restrict on access. It is advised that the staff wear dust respirator, working clothes. Small amount of divulgence: clean off. Put into bags and transfer to safe places. Massive divulgence: Recycle or transport to waste treatment place for handling.

Section 7 - Handling and Storage

Handling: Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear self-contained breathing dust respirator, protective gloves, and working clothes. Keep away from fire and heating sources. No smoking in the workplace. Avoid producing dust. Prevent contacting with oxidizer and acid. damaging the package. Equip with relevant types and quantities of the extinguishment instruments and devices for divulgence handling.

Storage: Stored in dry place And well packed, damp proof, natural ventilation. Keep away from fire and heating sources. Equip with relevant types and quantities of the extinguishment instruments.

Section 8 - Exposure Controls and Personal Protection

Maximum admissible concentration: No standard yet

Monitoring Method: None.

Engineering Control: To supply with sufficient air exhaust.

Respiratory Protection: It is advisable to wear an air respirator during an emergency rescue or evacuation..

Eyes Protection: There is no special requirement for general use.

Body Protection: There is no special requirement for general use.

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Hands Protection: There is no special requirement for general use.

Other Protections: No smoking at work. After work, shower and change clothes. Pay special attention to eye and respiratory protection.

Section 9 - Physical and Chemical Properties

Appearance: Uniform rule

Color: White, Red

Odour: None.

Flashpoint: N/A

Ignition temperature: N/A

Solubility: Soluble in water

Chemical Properties: Preparation

Chemical Uses: Ingredients

Section 10 - Stability and Reactivity

Stability: Stable under normal temperature and pressure.

Distribution of Ban: Strong oxidizing agent, strong acid.

Conditions to Avoid: Fire, high temperature.

Hazardous Polymerization: None.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Acute Toxicity: No known significant effects or critical hazards.

Sub-acute and Chronic Toxicity: No known significant effects or critical hazards.

Irritation: No known significant effects or critical hazards.

Sensitization: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Others: No known significant effects or critical hazards.

Section 12 - Ecological Information

Eco-toxicity: No known significant effects or critical hazards.

Biodegradable: No known significant effects or critical hazards.

Non-biodegradable: No known significant effects or critical hazards.

Bioconcentration or biological accumulation: No known significant effects or critical hazards.

Other harmful effects: No known significant effects or critical hazards.

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Section 13 - Disposal Considerations

Nature of waste: This product is not regarded as hazardous waste, as defined by Regulation (EC)No. 1272/2008.

Waste disposal methods: Refer to National or Local regulations before handling. It is recommended to use incineration

Attention abandoned: None.

Section 14 - Transport Information

Number of dangerous goods: No applicable.

UN Number: No applicable.

Packaging Mark: No applicable.

Packaging Method: No specific data.

Transport Fashion: By sea.

Transport Attentions: Examine whether the package of the containers are integrate or not before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with oxidizer and food chemicals. The transport ship must be cleaned and sterilized otherwise it is not allowed to assemble articles. During transport, the ship should prevent exposure, rain and high temperature. the assemble place should keep away from bedroom and kitchen, and isolated from the engine room, power and fire source.

Section 15 - Regulatory Information

Regulatory Information: ISO 11014-2009 Safety data sheet for chemical products-Content and order of sections. Regulation (EC) No. 1272/2008 Classification, Labelling and Packaging of Substances and Mixtures.

Section 16 - Additional Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Remark: The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

*** End of Report ***

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Model: SKY5957

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Signed for and on behalf of
Eurones (Dongguan) Consumer Products Testing Service Co., Ltd



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Pan Jian Ding, Will
Technical Supervisor

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Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Samples Name: 4-in-1 Science Project Kit

Model: SKY5957

Sample quantity: 1

Client Name : NINGBO UNION VISION IMP & EXP CO. LTD

Client Address: 16F,NO.288 Guanghua RD.Ningbo National Hi Tech Zone,Ningbo, China 315103

Trader: NINGBO UNION VISION IMP & EXP CO. LTD

Trader Address: 16F,NO.288 Guanghua RD.Ningbo National Hi Tech Zone,Ningbo, China 315103

Manufacturer: QINGBAO TOYS CO., LTD

Manufactured Address: Chenghai District, Shantou City, Guangdong Province

Contact Person: Frank

Tel: 18867966228

Section 2 - Hazards Identification

Fatality grade: In accordance with Regulation (EC) No. 1272/2008, the sample is not divided into dangerous article.

Invasion route:

Skin contact: No harm in normal use.

Eyes contact: May stimulate the eyes.

Inhalation: Inhalation of its vapor is harmful.

Ingestion: It can cause our stomach upset if we swallowed.

Health hazards: Inhalation of its vapor is harmful, It can cause our stomach upset if we swallowed.

Environment hazards: No harm in normal use.

Burn & burst danger: The sample is not flammable

Section 3 -Composition/Information on Ingredients

Substance ☐ Admixture ☒

Chemical composition:

Chemical name	CAS No.	Composition (in% by weight)
NAHCO ₃	144-55-8	55%
Pigment Orange 13	3520-72-7	5%
C ₆ H ₁₀ O ₈	5949-29-1	45%

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Section 4 - First Aid Measures

Skin touch: None.

Eyes touch: Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water. Get medical aid.

Inhalation: If exposure to fumes from overheating, move to fresh air immediately. Keep the respiratory tract smooth. Use oxygen if available. Get medical aid.

Ingestion: Drink sufficient hot water and induce vomiting. Get medical aid.

Section 5 - Fire Fighting Measures

Danger characteristic: The sample is not flammable

Hazardous combustion products: Decomposition product unknown

Fire-Fighting method & media: The staff must equip with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defense the fire and the toxic gas. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible. Spray water on the containers in the fireplace to keep them cool. Media: Use water mist, dry powder, foam or carbon dioxide extinguishing agent.

Section 6 -Accidental Release Measures

Emergency treatment: Cut off the fire source. Evacuate the personnel to a safe place as soon as possible, isolate the polluted area, restrict on access. It is advised that the staff wear dust respirator, working clothes. Small amount of divulgence: clean off. Put into bags and transfer to safe places. Massive divulgence: Recycle or transport to waste treatment place for handling.

Section 7 - Handling and Storage

Handling: Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear self-contained breathing dust respirator, protective gloves, and working clothes. Keep away from fire and heating sources. No smoking in the workplace. Avoid producing dust. Prevent contacting with oxidizer and acid. damaging the package. Equip with relevant types and quantities of the extinguishment instruments and devices for divulgence handling.

Storage: Stored in dry place And well packed, damp proof, natural ventilation. Keep away from fire and heating sources. Equip with relevant types and quantities of the extinguishment instruments.

Section 8 - Exposure Controls and Personal Protection

Maximum admissible concentration: No standard yet

Monitoring Method: None.

Engineering Control: To supply with sufficient air exhaust.

Respiratory Protection: It is advisable to wear an air respirator during an emergency rescue or evacuation..

Eyes Protection: There is no special requirement for general use.

Body Protection: There is no special requirement for general use.

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Hands Protection: There is no special requirement for general use.

Other Protections: No smoking at work. After work, shower and change clothes. Pay special attention to eye and respiratory protection.

Section 9 - Physical and Chemical Properties

Appearance: Uniform rule

Color: White, Red

Odour: None.

Flashpoint: N/A

Ignition temperature: N/A

Solubility: Soluble in water

Chemical Properties: Preparation

Chemical Uses: Ingredients

Section 10 - Stability and Reactivity

Stability: Stable under normal temperature and pressure.

Distribution of Ban: Strong oxidizing agent, strong acid.

Conditions to Avoid: Fire, high temperature.

Hazardous Polymerization: None.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Acute Toxicity: No known significant effects or critical hazards.

Sub-acute and Chronic Toxicity: No known significant effects or critical hazards.

Irritation: No known significant effects or critical hazards.

Sensitization: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Others: No known significant effects or critical hazards.

Section 12 - Ecological Information

Eco-toxicity: No known significant effects or critical hazards.

Biodegradable: No known significant effects or critical hazards.

Non-biodegradable: No known significant effects or critical hazards.

Bioconcentration or biological accumulation: No known significant effects or critical hazards.

Other harmful effects: No known significant effects or critical hazards.

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Section 13 - Disposal Considerations

Nature of waste: This product is not regarded as hazardous waste, as defined by Regulation (EC)No. 1272/2008.

Waste disposal methods: Refer to National or Local regulations before handling. It is recommended to use incineration

Attention abandoned: None.

Section 14 - Transport Information

Number of dangerous goods: No applicable.

UN Number: No applicable.

Packaging Mark: No applicable.

Packaging Method: No specific data.

Transport Fashion: By sea.

Transport Attentions: Examine whether the package of the containers are integrate or not before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with oxidizer and food chemicals. The transport ship must be cleaned and sterilized otherwise it is not allowed to assemble articles. During transport, the ship should prevent exposure, rain and high temperature. the assemble place should keep away from bedroom and kitchen, and isolated from the engine room, power and fire source.

Section 15 - Regulatory Information

Regulatory Information: ISO 11014-2009 Safety data sheet for chemical products-Content and order of sections. Regulation (EC) No. 1272/2008 Classification, Labelling and Packaging of Substances and Mixtures.

Section 16 - Additional Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Remark: The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

*** End of Report ***

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