

SAFETY DATA SHEET

MSDS Creation Date: June 11, 2020

1. Identification

Product Name: Acri paint ink

Recommended Use: Water-based Stationery Ink

Manufacture: Sino Path Enterprises Ltd

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2. Hazards Identification

CLP/GHS Classification:

Health	Environmental	Physical
Not Classified or Out of category	Not Classified or Out of category	Not Classified or Out of category

Pictograms by CLP/GHS: None

<i>Hazard Statements</i>	<i>Precautionary Statements</i>
	P264: Wash hands thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P273: Avoid release to the environment

DPD Classification and Pictograms: Not Required PBT

substance and vPvB substance:

No component of this ink a PBT or vPvB substance under Regulation (ec) 1907/2006

3. Composition/Information on Ingredients

Chemical Name: Mixture

Common Name: Water-Based Pigment Dispersion

Component	DSD Classification	CLP/GHS Classification	Weight percent	CAS No. EC No.
1. Titanium Dioxide	None	None	4.0-29.0	13463-67-7 236-675-5
2. Aluminum Silicate	None	None	4.0-7.0	1344-00-9 215-684-8
3. Acrylic Resin	None	None	5.0	1542830-43-2
4. Pigment Red	None	None	1.0-5.0	980-26-7
5. Pigment Blue	None	None	1.0-5.0	147-14-8
6. Pigment Red	None	None	1.0-5.0	2786-76-7
7. Pigment White	None	None	1.0-5.0	8047-76-5
8. Pigment Violet	None	None	1.0-5.0	6441-82-3
9. Water	None	None	Residue Amount	7732-18-5 231-791-2
Total			100	

4. First-Aid Measures

Inhalation:	None
Skin Contact:	Wash with water and soap or mild detergent. If irritation persists, obtain medical advice immediately.
Eye Contact:	Immediately flash eyes with generous amounts of water for at least 15 minutes. If irritation persists, obtain medical advice immediately.
Ingestion:	Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2–4 cups of milk or water.
Note to Physicians:	None

5. Fire-fighting Measures

Extinguishing Media: Water Fog, Dry Chemical, Form or Carbon Dioxide

Special Fire Fighting Precautions: Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

List Hazardous Decomposition Products: CO, CO₂, NO_x

6. Accidental Release Measures

Personal Precautions: Avoid contact with skin, eyes and clothing. Avoid breathing vapor and mist. (Also see Section 8). Do not touch damaged container or leakage thing if you do not wear appropriate protective clothes.

Environmental Precautions: Do not release to sewer, surface water or ground water.

Method and Materials for Containment and Clean up: After it is made to absorb to cloth or sand, it flushes with bags of water. In this case, it is noted that a thick liquid doesn't flow out to the river and drainage, etc.

7. Handling and Storage

Precautions for Safe Handling: The worker wears an appropriate protection tool, and avoids contact and the inhalation into eyes and the skins (Also see Section 8).

Conditions for Stable Storage: The storage container must closely stop it, and be grounded and bonded. Store away from low temperature less than its melting point and high temperature below 50°C.

8. Exposure controls/Personal Protection

Exposure Limits:

Component	Wt %	ACGIH 2002 • TWA	OSHA PEL	EU-ILV	DFG MAK
1. Titanium Dioxide	4.0~ 29.0	15 mg/m ³ (as dust)	10 mg/m ³ (as dust)	not investigating	not investigating
2. Aluminum Silicate	4.0~ 7.0	10 mg/m ³ (as dust)	80 mg/m ³ (as dust)	not investigating	not investigating

Equipment Measures: Facial cleansing shower and washroom equipment, etc.

Protection Tool: The worker has to wear following protection tools for personal safe.

Eye Protection: Chemical safety glasses with side-shields or goggles

Skin Protection: Neoprene glove, boots, and/or full body protection

Ingestion Protection: Face shield or mask

9. Physical and Chemical Properties

Appearance: Middle viscous liquid	Auto Ignition Temperature: Not applicable
Odor: No Odor	Upper Flammability Limits: Not applicable
pH: 8.0~10.0 (100%)	Lower Flammability Limits: Not applicable
Boiling Point: 100°C	Vapor Pressure: Not available
Melting Point: 0 °C	Vapor Density: Not available
Specific Gravity: 1.5 (20 °C)	Solubility in Water: ∞
Percent Volatile (wt%): 62.0	Viscosity at 25°C (mPa·s): No Data
Flash Point: Not applicable	Octanol/Water Partition Coefficient: Not available

10. Stability and Reactivity

Reactivity: None

Chemical Stability: No decomposition, if used according to specifications.

Possibility of Hazardous Reactions: None are known.

Conditions to Avoid: Do not reserve with high temperature up to 50°C
Do not freeze the liquid.

Materials to Avoid: Strong acid and alkali.

Hazardous Decomposition Products: None are known.

11. Toxicological Information

Acute Toxicity:

Inhalation:	Not available
Ingestion:	Not available
Eyes:	May cause irritation transiently.
Skin:	Will be weakly harmful.

Sensitization: No data

Mutagenicity: No data

Reproductive Toxicity: No data

Carcinogenicity: No data

Other Information: No data

12. Ecological Information

Toxicity:	Titanium oxide is classified Cat.4 of aquatic chronic. Avoid release to the environment
Persistence /Degradability:	Not available
Bioaccumulation:	Not expected to accumulate in biological organisms.
Mobility:	Not mobile soil. Pigment does not dissolve in water.
PBT and vPvB:	No component in this ink a PBT or vPvB substance.
Ozone Depleting Substances:	Not contained
Other advice Effects:	Not available

13. Disposal Considerations

Waste must be disposal of in accordance with federal, state and local regulations.

14. Transport Information

UN Number: None

UN Proper Shipping Name: None

Transport Hazard Class: None

Packing Group: None

Environmental Hazards: None

Special Precautions for User: Wear protection tools for personal safe in Section 8.

Transport according to Annex II of MARPOL 73/78 and the IBC Code: None

15. Regulatory Information

Inventory Status: All components are listed on ENCS, TSCA, DSL/NDL, ECL, IECSC, PICCS and EINECS/ELINCS.

(EU Information)

(EC) 2037/2000: Not Required

(EC) 304/2003: Not Required

2002/95/EC: None

REACH SVHC(~8th candidate list): None

(USA Information)

SARA Title III § 302: None

§ 304: None

§ 313: None

California Proposition 65: None

HMIS Rating: Health: 0 Flammability: 0 Reactivity: 0 Personal Protection: C

NFPA Rating: Health: 0 Flammability: 0 Reactivity: 0

16. Other Information

Literature References:

- * ACGIH Threshold Limit Values for Chemicals Substances and Physical Agents and Biological Exposure Indices.
- * ILO Occupational Safety and Health Series 37 "occupational Exposure Limits for Airborne Toxic Substances"
- * World Health Organization International Agency for Research on cancer, IARC Monographs on the Carcinogenic Risk of Chemicals to humans
- * EU Directive 76/769/EEC, 67/548/EEC, 1999/45/EEC, 2009/2/EC
- * EU Regulation (EC)2037/2000, (EC)304/2003, (EC) 1272/2008
- * JIS Z 7252:2009 JIS Z 7253:2012
- * GHS Database of National Institute of Technology and Evaluation (Japan)
- * SDSs of raw materials

Abbreviation

EU: European Union

OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA).

ACGIH TLV: TLV (Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.

EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC, 2000/39/EC and 2006/15/EC.

DFG MAK: MAK (Maximal Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.

TWA: Time Weighted Average

STEL: Short Term Exposure Limit

IARC: International Agency for Research on Cancer

NTP: National Toxicology Program(USA)

PBT: Persistent Bio-accumulative and Toxic

vPvB: very Persistent and very Bio-accumulative

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