

SAFETY DATA SHEET

MSDS No. 20071504

MSDS Creation Date: July 15, 2020

Revision Date:

1. Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier:****Trade Name: Copic Opaque White****1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended Use:** Water-based Inks**1.3. Details of the supplier of the safety data sheet****Manufacture /Supplier:** Too Marker Products Inc.**Address:** 7-22-17, Nishi-Gotanda, Shinagawa-ku, Tokyo 141-0031, Japan**Telephone no.:** +81-3-5719-2655 **Facsimile no.:** +81-3-5719-2656**Email:** contact@toomarker.co.jp**1.4. Emergency telephone number****Emergency no.:** +81-3-5719-2655 **Only available during office hours.****2. Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 (CLP)**

Health	Environmental	Physical
Not Classified	Not Classified	Not Classified

2.2 Label elements**Hazard Pictograms:** None**Signal Word:** None

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

2.3. Other hazards**PBT substance and vPvB substance:**

Substance meets the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XII

3. Composition/information on ingredients

3.2 Mixture

General information

Component	Classification	Weight percent	CAS No. EC No.
1. Titanium Dioxide	None	28.0-32.0	13463-67-7 236-675-5
2. Aluminum Silicate	None	8.0-12.0	1344-00-9 215-684-8
3. Magnesium sulfate	None	8.0-12.0	7487-88-9 231-298-2
4. Cationic polymer	None	3.0-4.0	Trade secret
5. Sodium pyrrithione	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 Aquatic Acute 1	< 0.1	3811-73-2 223-296-5
6. Polymeric surfactant	None	< 0.05	Trade secret
7. Water	None	40.0-55.0	7732-18-5 231-791-2

4. First-aid measures

4.1 Description of first aid measure

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.

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

Not Available

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

Not Available

5. Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water Fog, Dry Chemical, Form or Carbon Dioxide

Unsuitable extinguishing media:

5.2 Special hazards arising from the substance or mixture

Not available.

5.3. Advice for firefighters

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Use suitable breathing apparatus

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedure

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.

6.2 Environmental precaution

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

6.3 Method and materials for containment and clean up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13)..

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage**7.1 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**).

7.2. Conditions for safe storage, including any incompatibilities

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.

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection**8.1 Control parameters**

Component	Wt %	ACGIH 2002· TWA	OSHA PEL	EU-ILV	DFG MAK
1. Titanium Dioxide	28.0–32.0	10 mg/m ³ (as dust)	5 mg/m ³ (as dust)	not investigating	not investigating
2. Aluminum Silicate	8.0–12.0	2 mg/m ³ (as dust)	15 mg/m ³ (as dust)	not investigating	not investigating
3. Magnesium sulfat	8.0–12.0	10 mg/m ³ (as dust)	15 mg/m ³ (as dust)	not investigating	not investigating

8.2 Exposure Controls

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**9.1. Information on basic physical and chemical properties**

Appearance: White liquid

Odor: Little smell

Odor threshold: None

pH: 5.5–7.5 (100%)

Melting Point/freezing point: 0 °C

Initial boiling point and boiling range: 100 °C

Flash Point: Not applicable

Evaporation rate: not available

Flammability: Not applicable

Upper Flammability Limits: Not applicable

Lower Flammability Limits: Not applicable

Vapor Pressure: Not available

Vapor Density: Not available

Solubility in Water: ∞

Octanol/Water Partition Coefficient: Not available

Auto Ignition Temperature: Not applicable

Decomposition Temperature: Not applicable

Viscosity at 25°C (mPas): <600

Explosive properties: Not applicable

Oxidizing properties: Not applicable

9.2. Other information: None

10. Stability and reactivity

10.1 Reactivity: None

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

10.3 Possibility of Hazardous Reactions: None are known.

10.4 Conditions to Avoid: Do not reserve with high temperature up to 50 °C.

Do not freeze the liquid.

10.5 Incompatible materials: Strong acid and alkali.

10.6 Hazardous Decomposition Products: None are known.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity; No data available.

Skin corrosion/irritation; No data available.

Serious eye damage/irritation; No data available.

Respiratory or skin sensitization; No data available.

Germ cell mutagenicity; No data available.

Carcinogenicity; No data available.

Reproductive toxicity; No data available.

STOT–single exposure; No data available.

STOT–repeated exposure; No data available.

Aspiration hazard; No data available.

Other Information; None

12. Ecological Information

12.1. Toxicity: No data available

12.2 Persistence and degradability No data available

12.3 Bioaccumulative potential; No data available

12.4 Mobility in soil; No data available

12.5 Results of PBT and vPvB assessment; vPvB Substances: None – PBT Substances: None

12.6 Other adverse effects; Not contain substances that deplete the ozone layer.

13. Disposal Considerations

13.1. Waste treatment methods

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

14. Transport Information

14.1 UN Number: Not classified as dangerous in the meaning of transport regulations.

14.2 UN Proper Shipping Name: Not restricted.

14.3 Transport Hazard Class: Not restricted.

14.4 Packing Group: Not restricted.

14.5 Environmental Hazards: Not restricted.

14.6 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:

Not hazardous item, not restricted.

15. Regulatory Information

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

(EU Information)

(EC) 850/2004: Not Restricted

(EU) No.649/2012: Not Restricted

:2001/65/EU + (EU) 2015/863 Not Restricted

REACH SVHC: Not Restricted

(USA Information)

SARA Title III § 302: None § 304: None § 313: None

California Proposition 65: None

HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: C

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0

Inventory Status: All components are listed on ENCS, TSCA, DSL, NZIoC, PICCS, AICS, KEGI, IECS, and EINECS/ELINCS.

15.2 Chemical safety assessment: No

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
- * ECHA Website
- * SDSs of law materials
- * EU Regulation (EC) 2037/2000, (EC)304/2003, (EC) 1272/2008
- * Compilation of safety data sheets Version 2.0
- * Guidance on the compilation of safety data sheets Version 3.1
- * JIS Z 7252/2019, 7253/2019

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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