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1. Identification of the substance/preparation and of the company/undertaking ——

Product name: Matsumin Top Coat 301TC

Product name: Matsumin Top Coat 301TC

Supplier: Matsui Shikiso Chemical Co., Ltd.

64, Kamikazan Sakuradani-cho, Yamashina-ku, Kyoto, 607-8466, JAPAN

Telephone number: +81 (75) 594 5612

2. Composition/information on ingredients -

Identification of the preparation

Chemical NameCAS No.EU No.Weight %trade secretpolymer1-5

Water and other non-hazardous ingredients — — the rest

3. Hazards identification -

Resin

Classification: None

Human health effects: Prolonged contact with skin or on people with sensitive skin may cause

skin rash or inflammation.

Safety hazards: None.

4. First-aid measures -

Inhalation: If inhale a large quantity, remove to fresh air. If needed, get medical

attention.

Skin contact: Wash with mild soap and water. If needed, get medical attention.

Eye contact: Immediately flush eyes with water for at least 15minutes. Seek medical

attention as needed.

Ingestion: Rince mouse thoroughly with water. Induce vomiting if possible. Seek

medical attention as needed.

5. Fire-fighting measures -

Suitable extinguishing media: In case of combustion, use water, sand, dry chemical, or CO2 gas.

(This product is not combustible under normal condition due to its aqueous

property.)

Special protective equipment for fire-fighters: In case of fire, wear respirator.

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6. Accidental release measures -

Personal precautions: Wear suitable protective equipment as needed.

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Environmental precautions: Avoid releasing spilled material into rivers and/or lakes to prevent

environmental impact. If material is released to public water in large

amounts, advise local authority.

Methods for cleaning up: For small spill, absorb with dry sand, soil, saw dust or rag. Collect into

container for disposal and wipe the remaining up with rag.

For large spill, dike with soil, blanket or sandbags to prevent from entering

public waters, and collect into container with shovel or vacuum.

7. Handling and storage -

Handling: Wear suitable protective equipment and clothing as needed to prevent the

material from contacting skin and eyes. Local exhaust ventilation or

general ventilation is recommended during indoor operation.

Storage: Store in a cool and dark place away from direct sunlight. Avoid freezing.

Keep container tightly closed.

8. Exposure controls/personal protection —

Exposure limit values: Not established.

Engineering measures: Local exhaust ventilation or general ventilation is recommended during

indoor operation.

Personal protection equipment:

- Respiratory protection: Wear mask when applicable.

- Hand protection: Wear rubber or plastic gloves.

- Eye protection: Wear safety glasses or chemical goggles.

- Skin and body protection: Wear long sleeves, long pants and boots when applicable.

Hygiene measures: Nothing in particular.

9. Physical and chemical properties

Form: Paste.

Colour: Milky white. Odour: Odourless. pH: 6.5 ± 0.5

Boiling point: No data available.
Flash point: No data available.
Vapour pressure: No data available.

Aqueous solubility: Miscible.

Viscosity: $35,000-40,000 \text{ mPa} \cdot \text{s}$ Vapour density: No data available. Specific gravity (H₂O = 1): 0.96 ± 0.05

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10. Stability and reactivity —

Stability: Stable under normal handling and using condition.

Conditions to avoid: None.

Materials to avoid: None.

Hazardous decomposition products: None.

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11. Toxicological information

Acute toxicity: No data available.

Local effects: No data available.

12. Ecological information -

Ecotoxicity: No data available.

Mobility: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

13. Disposal considerations -

Waste from residues / unused products: Dispose in accordance with local, national, and EU regulations.

Contaminated Packaging: Dispose in accordance with local, national, and EU regulations.

14. Transport information -

UN No.: Not applicable.
UN Class: Not applicable.

Note: Comply with local, national, and EU regulations.

15. Regulatory information

Classification: None.

Danger symbol(s): None.

Risk Phrases: None required.
Safety Phrases: None required.

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16. Other information —

Product description: Water based top coat agent.

Product name: Matsumin Top Coat 301TC

Recommended use: Printing for paper, textile, wood, and film.

The information set forth herein is to the best knowledge and belief of MATSUI SHIKISO CHEMICAL CO., LTD. If not employed as directed, we do not guarantee that the hazard precautions or procedures mentioned above are the only ones which exist and we do not assume responsibility in case of unusual use of this product.