

SAFETY DATA SHEET

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DATE PREPARED: 17/Dec/2010

REF: E-103-02

Product name: Matsumin White 301-W-10-4

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

Product name: Matsumin White 301-W-10-4
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

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EU No.</u>	<u>Weight %</u>
Acrylic resin	registered	polymer	20-30
Titanium dioxide	13463-67-7	236-675-5	34
Water and other non-hazardous ingredients	—	—	the rest

3. Hazards identification

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: Rinse mouth 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, 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.
- 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: Titanium dioxide:
TWA: 10 mg/m³; (ACGIH 2009)
MAK: 1.5 mg/m³; (Respirable fraction) (DFG 2006)
- 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: White.
- Odour: Slight odour.
- pH: 8.5 ± 0.5
- Boiling point: No data available.
- Flash point: No data available.
- Vapour pressure: No data available.
- Aqueous solubility: Miscible.
- Viscosity: 120,000 ± 10,000 mPa·s (25°C)
- Vapour density: No data available.
- Density: 1.38 ± 0.05 g/cm³

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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.

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 of in accordance with local, national, and EU regulations.
Contaminated Packaging: Dispose of 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.
Not classified as dangerous in the meaning of transport regulations according to IATA and ICAO.

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 binder of acrylic resin.

Recommended use: Printing for textile, paper, 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.