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Safety Data Sheet

1. IDENTIFICATION

Product Name: Simple White
General Use: May be used for printing on paper, textile, and film.
Product Description: Water based binder of resin.
SDS Number: A-0379B-01

MANUFACTURER

Company Name: Matsui Shikiso Chemical Co., Ltd.
Address: 64 Kamikazansakuradani-cho, Yamashina-ku, Kyoto 607-8466, JAPAN
Telephone No.: +81 (75) 594-5612

AGENCY

Matsui International Co., Inc.
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2. HAZARDS IDENTIFICATION

CLASSIFICATION

Health Hazard: Not classified.
Physical Hazard: Not classified.
Signal Word: None.
Hazard Statement: None.
Symbol: None.
Precautionary Statements: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)	CAS #	Approx. %
Resin	Trade secret	20 - 30
Titanium oxide	13463-67-7	< 35
Propylene glycol	57-55-6	< 5
Silicon dioxide	7631-86-9	< 5
Glycerol	56-81-5	< 5
Calcium carbonate	471-34-1	< 5
2-aminoethanol	141-43-5	< 0.3
Non-hazardous and other ingredients below reportable levels	N/A	Balance

V.O.C. CONTENT: < 150 g/L

4. FIRST AID MEASURES

INHALATION:

Remove to fresh air and lie quiet. If breathing is difficult, give oxygen.
Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance.
If not breathing, give artificial respiration and seek medical attention immediately.

EYE: Flush eyes thoroughly with plenty of water for at least 15 minutes. Seek medical attention as needed.

SKIN: Take off contaminated clothing and shoes immediately.
Wash with plenty of water for at least 15 minutes and seek medical attention as needed.

INGESTION:

Do not induce vomiting. Never give anything by mouth to an unconscious person.
Call a POISON CENTER immediately.

PROTECTION TO FIRST-AIDERS:

Wear personal protective clothing and equipment.

NOTE TO PHYSICIAN:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use water, dry chemical, foam, or CO₂ gas.
(This product is not combustible under normal conditions due to its aqueous property.)

UNSUITABLE EXTINGUISHING MEDIA

Not available.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Not available.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

In case of fire, wear respirator.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear suitable personal protective equipment as needed.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

For small spill, absorb with dry sand, saw dust or rag, and collect into container for disposal.
Wipe the remaining up with rag.
For large spill, dike with soil, blankets or sandbags to prevent from contaminating soil and collect into container with shovel or vacuum.
Avoid releasing spilled material into rivers and/or lakes.
If material is released to public water, advice local authority.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Protective Measures:

Wear suitable protective equipment and clothing as needed to prevent the material from contacting skin and eyes. Use only in a well-ventilated area.

Advice on General Occupational Hygiene:

Wash thoroughly after handling. Do not eat, drink, or smoke during work.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical Measures Storage Conditions:

Store in a dry, cool, well-ventilated place away from heat, sparks, open flames, hot surfaces, incompatible materials and foodstuff containers. Keep containers tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

<u>Titanium oxide</u>	ACGIH – TLV (TWA)	10 mg/m ³
<u>2-aminoethanol</u>	ACGIH – TLV (TWA)	3 ppm
	ACGIH – TLV (STEL)	6 ppm
	OSHA – PEL	3 ppm, 6 mg/m ³

EXPOSURE CONTROLS

Occupational Exposure Controls:

Local exhaust ventilation or general ventilation is recommended during indoor operation.

Personal Protection

Respiratory Protection:

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN14387) respirator cartridges.

Hand Protection:

Wear rubber or plastic gloves.

Eye Protection:

Wear safety goggles.

Skin Protection:

Wear fire/flame resistant/retardant clothing and antistatic boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White
Odor:	Slight odor
pH:	7.5 - 8.5
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation rate:	Not available.
Flammability:	Not available.
Explosive Properties:	Not available.
Oxidizing Properties:	Not available.
Vapor Pressure:	Not available.
Relative density:	Not available.
Solubility (Water):	Not available.
Partition Coefficient (n-octanol/water):	Not available.
Auto-Ignition Temperature:	Not applicable.
Decomposition Temperature:	Not available.
Viscosity:	120,000 ± 10,000 mPa·s

10. STABILITY AND REACTIVITY

REACTIVITY:	No specific reactivity under normal condition.
CHEMICAL STABILITY:	Stable under normal handling and using condition.
POSSIBILITY OF HAZARDOUS REACTION:	In contact with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen. Reacts with active metals and poses an explosive potential or fire.
CONDITIONS TO AVOID:	Incompatible materials, heat, flame, and spark.
INCOMPATIBLE MATERIALS:	Alkali, sodium, calcium, and other active metal, halogen, metal nonmetal oxide, acyl halide and metal phosphide. Active metal, alcohols, aldehydes, carbon disulfide, carbon, sulfur, phosphorus, boron, reducing agents, metallic acetylenes, and metallic carbonates. Oxidants, alkali metals, alkaline earth metals and aluminum.
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD ₅₀ > 5,000 mg/kg (Calculation data)
Eye Irritation:	Not available.
Skin Irritation:	Not available.
Carcinogenicity:	Not applicable.
LOCAL EFFECT:	It may cause inflammation if it is attached to the skin for a long time or sensitive skin.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Fish LC ₅₀ > 5,000 mg/L (Calculation data)
MOBILITY:	Not available.
PERSISTENCE AND BIODEGRADABILITY:	Not available.
BIOACCUMULATIVE POTENTIAL:	Not available.
OTHER ADVERSE EFFECTS:	Not available.

13. DISPOSAL INFORMATION

Comply with all federal, state and local regulations.
Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION (DOT)	
Hazardous Materials:	Not regulated.
Hazardous Materials Description and Proper Shipping Name:	Not regulated.
Hazard Class or Division:	Not regulated.
Identification Number:	Not regulated.
Packing Group:	Not regulated.
Label(s) Required:	Not regulated.

SEA TRANSPORT

IMDG

Class: Not regulated.
Packing Group (PG): Not regulated.
UN Number: Not regulated.
Proper Shipping Name: Not regulated.
Marine Pollutant: Not regulated.

AIR TRANSPORT

ICAO/IATA

Class: Not regulated.
Packing Group (PG): Not regulated.
UN Number: Not regulated.
Proper Shipping Name: Not regulated.

15. REGULATORY INFORMATION

OSHA STATUS:

This product is not considered to be hazardous under 29 CFR 1910.1200.

TSCA STATUS:

All components on TSCA INVENTORY.

CA Prop. 65:

Not applicable.

CERCLA REPORTABLE QUANTITY (40 CFR 117, 302):

Not applicable.

SARA TITLE III

Section 302 (40 CFR 355) – Extremely hazardous substance:

Not applicable.

Section 311/312 (40 CFR 370) – Hazard categories:

Immediate (acute) health hazard	N
Delayed (chronic) health hazard	N
Fire hazard	N
Sudden release of pressure	N
Reactive	N

Section 313 (40 CFR 372) – Toxic chemical:

Not applicable.

CONEG – Typical Metals present in ppm:

Cadmium (Cd)	N
Hexavalent Chromium (Cr(VI))	N
Lead (Pb)	N
Mercury (Hg)	N

HMIS Ratings

Health: 1
Flammability: 0
Reactivity: 0
Protection: C

(0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe)

ENCS (Japan): Components listed.

Please refer to any other federal, state and local regulations.

For specific questions please call to Matsui International Co., Inc. USA 3107677812.

16. OTHER

ABBREVIATIONS

OSHA: The Occupational Safety and Health Administration
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists, Inc.
IMDG: International Maritime Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
TSCA: Toxic Substances Control Act
CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980
SARA: Superfund Amendments and Reauthorization Act of 1986
CONEG: the Coalition of Northeastern Governors
ENCS: Existing and New Chemical Substances

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