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Revised: ---

## Safety Data Sheet

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### 1. IDENTIFICATION

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Product Name: DS Hybrid Top Coat

General Use: Printing paste for textile.

Product Description: Water based binder of resin.

SDS Number: 408-MI

#### 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.

Address: 1501 West 178th Street, Gardena, CA 90248, U.S.A.

Telephone No.: (310) 767-7812

EMERGENCY TELEPHONE NUMBER: +81 (75) 594-5612 / (310) 767-7812

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### 2. HAZARDS IDENTIFICATION

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#### CLASSIFICATION

Health Hazard: Not classified.

Physical Hazard: Not classified.

Signal Word: None.

Hazard Statement: None.

Symbol: None.

Precautionary Statements: None.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Component(s)	CAS #	Approx. %
Resin	Trade secret	10 – 20%
Surfactants	Trade secret	1 – 10%
Wetting agent	Trade secret	5 – 15%
Non-hazardous and other ingredients below reportable levels	N/A	Balance

V.O.C. CONTENT: < 170 g/L

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### 4. FIRST AID MEASURES

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**INHALATION:**

If inhale a large quantity, remove to fresh air and lie quiet. Seek medical attention as needed.

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

**SKIN:** Wash with mild soap and water.

**INGESTION:**

Seek medical attention as needed.

**PROTECTION TO FIRST-AIDERS:**

Wear personal protective clothing and equipment.

**NOTE TO PHYSICIAN:**

Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA**

Use water, dry chemical, foam, or CO<sub>2</sub> 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.

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**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.

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**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 locked up in a well-ventilated, cool, and dark place away from direct sunlight.

Avoid freezing. Keep container tightly closed.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE LIMIT VALUES**

Not established.

**EXPOSURE CONTROLS**

Occupational Exposure Controls:

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

Personal Protection

Respiratory Protection:

If it is not a well-ventilated area, wear gas mask or self-contained breathing apparatus.

Hand Protection:

Wear rubber or plastic gloves.

Eye Protection:

Wear safety glasses or goggles.

Skin Protection:

Wear long pants, long sleeves, and boots when applicable.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	Milky white paste
Odor:	Slight odor.
pH:	8.0 – 9.0
Melting Point:	About -5°C
Boiling Point:	About 100°C
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:	Not available.

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## 10. STABILITY AND REACTIVITY

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REACTIVITY:	No specific reactivity under normal condition.
CHEMICAL STABILITY:	Stable under normal handling and using condition.
POSSIBILITY OF HAZARDOUS REACTION:	None.
CONDITIONS TO AVOID:	None.
INCOMPATIBLE MATERIALS:	None.
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

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## 11. TOXICOLOGICAL INFORMATION

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Acute Toxicity:	Oral LD <sub>50</sub> > 5,000mg/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.

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## 12. ECOLOGICAL INFORMATION

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

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## 13. DISPOSAL INFORMATION

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Comply with all federal, state and local regulations.

Do not dump this product into sewers, on the ground or into any body of water.

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## 14. TRANSPORT INFORMATION

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### 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.

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## 15. REGULATORY INFORMATION

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### 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:	1
Reactivity:	0
Protection:	G

(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.

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16. OTHER

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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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