

## Safety Data Sheet

### 1. IDENTIFICATION

Product Name: DS Hybrid Under Base Ultra White  
General Use: May be used for printing on paper, textile, wood, and film.  
Product Description: Water based binder of resin.  
SDS Number: MI-081-MICI

#### 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

### 2. HAZARDS IDENTIFICATION

#### CLASSIFICATION

Health hazard: Not classified.  
Physical hazard: Not classified.  
Signal word: None.  
Hazard statement: None.  
Symbol: None.

Precautionary statements: None.

#### Other Hazards:

May cause long lasting harmful effects to aquatic life.  
Exposure to high concentration of vapor may cause nausea, headache, and dizziness.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)	CAS #	Approx. %
Resin	Trade secret	27-38
Titanium oxide	13463-67-7	< 35
Propylene glycol	57-55-6	< 8
Surfactant	Trade secret	< 10
Wetting Agent	Trade secret	< 10
Ethyl acrylate	140-88-5	< 0.5
Butyl acrylate	141-32-2	< 0.5
Non-hazardous and other ingredients below reportable levels	N/A	Balance

V.O.C CONTENT: < 235 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:** Immediately flush eyes with water for at least 15 minutes. Seek medical attention as needed. **SKIN:**

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

##### INGESTION:

Rinse mouth thoroughly with water. Induce vomiting with much water if possible. 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

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##### SUITABLE EXTINGUISHING MEDIA

Use water, sand, dry chemical, 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

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##### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear suitable personal protective equipment as needed. Ventilate area.

##### 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, and drains. If material is released to public water, advice local authority.

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#### 7. HANDLING AND STORAGE

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##### 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 cool and dark place away from excessive heat and direct sunlight. Keep container airtight.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### EXPOSURE LIMIT VALUES

<u>Titanium dioxide</u>	ACGIH – TLV (TWA)	10 mg/m <sup>3</sup>
<u>Ethyl acrylate</u>	ACGIH – TLV (TWA)	5 ppm
	ACGIH – TLV (STEL)	15 ppm
	OSHA – PEL	25 ppm, 100 mg/m <sup>3</sup>
<u>Butyl acrylate</u>	ACGIH – TLV (TWA)	2 ppm

### EXPOSURE CONTROLS

#### Occupational Exposure Controls:

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

#### Personal Protection

##### Respiratory Protection:

Not necessary under normal handling condition.

##### 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:	White paste.
Odor:	Slight odor.
pH:	8.5 ± 0.5
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation rate:	Not available.
Flammability:	If this product is dry, it may be flammable.
Explosive Properties:	Not applicable.
Oxidizing Properties:	Not applicable.
Vapor Pressure:	Not available.
Relative density:	1.35 ± 0.05 g/cm <sup>3</sup>
Solubility (Water):	Miscible.
Partition Coefficient (n-octanol/water):	Not available.
Auto-Ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	110,000 ± 5,000 mPa·s

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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:	Not available.
Eye Irritation:	Not available.
Skin Irritation:	Not available.
Sensitization:	Not available.
Carcinogenicity:	Not available.
Reproductive and Developmental Toxicity:	Not available.

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## 12. ECOLOGICAL INFORMATION

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### ECOTOXICITY:

The aquatic environment (chronic): 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:

 **WARNING:**

This product can expose you to chemicals including Ethyl acrylate, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### CERCLA REPORTABLE QUANTITY (40 CFR 117, 302):

Ethyl acrylate Reportable Quantity = 1000 pounds (454kg)

### 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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