

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: HM Discharge White
General Use: May be used for printing on textile
Product Description: Water based ink
SDS Number: US-007-MICI

MANUFACTURER

Company Name: Matsui International Co., Inc.
Address: 1501 West 178th Street, Gardena, CA 90248, U.S.A.
Telephone No.: (310) 767-7812

EMERGENCY TELEPHONE NUMBER: (310) 767-7812

2. HAZARDS IDENTIFICATION

CLASSIFICATION

Health hazard:

Serious eye damage/eye irritation: Category 2B

Aspiration toxicity: Category 1

Physical hazard: Not classified.

Signal word: Danger.

Hazard statement :

Causes eye irritation.

May be fatal if swallowed and enters airways.

Symbol:



Precautionary statements:

Prevention:

Wash thoroughly after handling.

Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Do NOT induce vomiting.

Storage:

Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazards:

Exposure to high concentration of vapor may cause nausea, headache and dizziness.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

No	Component(s)	CAS #	Approx. %
A	Resin	Trade secret	21.4
B	Titanium Dioxide	13463-67-7	30.0
C	Non-hazardous and other ingredients below reportable levels	N/A	Balance

4. FIRST AID MEASURES

INHALATION:

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.

INGESTION:

Do not induce vomiting. If mouth is contaminated, rinse thoroughly with water. Seek medical attention 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, 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, and drains. 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 in well-ventilated area. Minimize vapor generation and avoid breathing vapor. Handle and open containers with care – avoid rough handling or dropping.

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 direct sunlight. Avoid freezing. Ventilate well to prevent vapors from settling in low areas. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Titanium dioxide	ACGIH – TLV (TWA)	10 mg/m ³
	OSHA – PEL	15 mg/m ³ (Total dust)

EXPOSURE CONTROLS

Occupational Exposure Controls:

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

Personal Protection

Respiratory Protection:

In an ill-ventilated area, wear chemical-cartridge respirator for organic gas, supplied-air respirator or self-contained breathing apparatus.

Hand Protection:

Wear rubber or plastic gloves.

Eye Protection:

Wear safety glasses with side shields or goggles.

Skin Protection:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white paste
Odor:	slight acrylic odor
pH:	7.3 ± 0.5
Boiling Point:	Not available.
Melting Point:	Not available.
Decomposition Temperature:	Not available.
Flash Point:	Not available.
Auto-Ignition Temperature:	Not available.
Flammability:	If this product is dry, it may be flammable.
Explosive Properties:	Not available.
Oxidizing Properties:	Not available.
Vapor Pressure:	Not available.
Specific Gravity (water = 1):	1.20 ± 0.05
Solubility	
Water:	Miscible.
Partition Coefficient (n-octanol/water):	Not available.
Viscosity:	15,000 ~ 25,000mPa·s
Vapor Density:	Not available.
Evaporation Rate:	Not available.
Total VOC:	<10g/L

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	None.
STABILITY:	Stable under recommended conditions of storage and handling.

MATERIALS TO AVOID: None.
HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS:
None.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not available.
Eye Irritation: Not available.
Skin Irritation: Not available.
Sensitization: Not available.
Repeated Dose Toxicity: Not available.
Chronic Toxicity: Not available.
Mutagenicity: Not available.
Carcinogenicity: Not available.
Reproductive and Developmental Toxicity:
Not available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.
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.

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.

California Proposition 65



This product can expose you to chemicals including ethylene oxide, which is known to the State of California to cause cancer and acrylamide which is known to the State of California to cause birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

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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