

# Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: HM Discharge Base  
 General Use: May be used for printing on textile  
 Product Description: Water based ink  
 SDS Number: US-008-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:

|   |                                |
|---|--------------------------------|
| Skin corrosion/irritation:                            | Category 2                     |
| Specific target organ toxicity after single exposure: | Category 3 (anesthetic action) |
| Specific target organ toxicity repeated exposure:     | Category 2(liver, testis)      |
| Aspiration toxicity:                                  | Category 1                     |

Physical hazard: Not classified.

Signal word: Danger.

#### Hazard statement :

Causes skin irritation.

May cause drowsiness or dizziness.

Causes damage to organs < liver, testis > through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

#### Symbol:



### Precautionary statements:

#### Prevention:

Do not breathe fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wash thoroughly after handling.

Wear protective gloves/protective clothing.

#### Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

Do NOT induce vomiting.

#### Storage:

Store in a well-ventilated place. Keep container tightly closed. 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 | 17        |
| B  | Aliphatic Petroleum Distillates                             | 64742-96-7   | 3         |
| C  | Non-hazardous and other ingredients below reportable levels | N/A          | Balance   |

### 4. FIRST AID MEASURES

**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.

**INGESTION:**

Rinse mouth thoroughly with water. Induce vomiting if possible. Seek medical attention as needed.

**PROTECTION TO FIRST-AIDERS:**

Wear personal protective clothing and equipment.

**NOTE TO PHYSICIAN:**

Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES**

|                                |                                     |
|--------------------------------|-------------------------------------|
| Hazardous Combustion Products: | Not available.                      |
| Flash Point:                   | Not available.                      |
| Lower flammable limit:         | Not available.                      |
| Upper flammable limit:         | Not available.                      |
| Auto ignition:                 | Not available.                      |
| Conditions of Flammability:    | Requires this product be dry.       |
| Explosion Data:                |                                     |
| Impact Sensitivity:            | Not sensitive to mechanical impact. |
| Static Discharge:              | Not Sensitive to static discharge.  |

**EXTINGUISHING MEDIA:**

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

(This product is not combustible under normal conditions due to its aqueous property.)

**FIRE FIGHTING INSTRUCTIONS:**

In case of fire, wear respirator.

### 6. ACCIDENTAL RELEASE MEASURES

**LAND SPILL:**

Wear suitable personal protective equipment as needed.

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 sandbag to prevent from contaminating soil and collect into container with shovel or vacuum.

**WATER SPILL:**

Wear suitable personal protective equipment as needed. Avoid releasing spilled material into rivers and/or lakes. If material is released to public water, advice local authority.

**7. HANDLING AND STORAGE****HANDLING:**

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

**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:**

|                    |                   |                                   |
|--------------------|-------------------|-----------------------------------|
| 1,2,3-Propanetriol | ACGIH – TLV (TWA) | 10 mg/m <sup>3</sup>              |
|                    | OSHA – PEL        | 15 mg/m <sup>3</sup> (Total dust) |

**EXPOSURE CONTROLS****Occupational Exposure Controls****Engineering 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.

**Environmental Exposure Controls:**

Not available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |  |
|--|--|
| Appearance:                              | milky paste                                  |
| Odor:                                    | slight acrylic odor                          |
| pH:                                      | 9.9 ± 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):            | 1.00 ± 0.05                                  |
| Solubility                               |  |
| Water:                                   | Miscible.                                    |
| Partition Coefficient (n-octanol/water): | Not available.                               |
| Viscosity:                               | 45,000 ~ 60,000mPa·s                         |

Vapor Density: Not available.  
Evaporation Rate: Not available.  
Total VOC: <60g/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 applicable.  
Hazardous Materials Description and Proper Shipping Name:  
Not applicable.  
Hazard Class or Division: Not applicable.  
Identification Number: Not applicable.  
Packing Group: Not applicable.  
Label(s) Required: Not applicable.

##### SEA TRANSPORT

##### IMDG

Class: Not applicable.  
Packing Group (PG): Not applicable.  
UN Number: Not applicable.

Proper Shipping Name: Not applicable.  
Marine Pollutant: Not applicable.

**AIR TRANSPORT****ICAO/IATA**

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

**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](http://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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