

Safety Data Sheet

1. IDENTIFICATION

Product Name: Matsumin Discharge Binder 301DC-8
General Use: May be used for printing on paper, textile, wood, and film.
Product Description: Water based binder of acrylic-styrene resin.
SDS Number: A-0081

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.
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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

Component(s)	CAS #	Approx. %
Acrylic-styrene resin	Trade secret	< 20
Solvent naphtha (petroleum), medium aliph.	64742-88-7	< 25
1,2,3-Propanetriol	56-81-5	< 10
Non-hazardous and other ingredients below reportable levels	N/A	Balance

V.O.C. CONTENT:

Component	CAS #	Vapor Pressure
Solvent naphtha (petroleum), medium aliph.	64742-88-7	0.2-0.6 kPa (20°C)

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 plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.

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

1,2,3-Propanetriol	ACGIH – TLV (TWA)	10 mg/m ³
	OSHA – PEL	15 mg/m ³ (Total dust),
		5 mg/m ³ (Respirable fraction)

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:	Acrylic and hydrocarbon 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:	0.95 ± 0.05
Solubility (Water):	Miscible.
Partition Coefficient (n-octanol/water):	Not available.
Auto-Ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	30,000 ± 5,000 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:	None.
CONDITIONS TO AVOID:	None.
INCOMPATIBLE MATERIALS:	Strong oxidant.
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not available.
Eye Irritation:	Not available.
Skin Irritation:	Causes skin irritation.
Sensitization:	Not available.
Mutagenicity:	Not available.
Carcinogenicity:	Not available.
Reproductive and Developmental Toxicity:	Not available.
Specific target organ toxicity repeated exposure:	Causes damage to organs (liver, testis) through prolonged or repeated exposure.
Aspiration toxicity:	May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

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

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: Yes.

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:	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.

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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