

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Discharge Base 301 DM
General Use: May be used for printing on textile
Product Description: Water based ink of acrylic resin.
SDS Number: US-067-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:

Reproductive toxicity:	Category 2
Specific target organ toxicity after repeated exposure:	Category 2 (kidney, liver)
Aspiration toxicity:	Category 1

Physical hazard: Not classified.

Signal word: Danger.

Hazard statement:

Suspected of damaging fertility or the unborn child.
May cause damage to organs <kidney, liver> through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

Symbol:



Precautionary statements:

Prevention:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe fume/gas/mist/vapors/spray.
Use personal protective equipment as required.

Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
IF exposed or concerned: Get medical advice/attention.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)	CAS #	Approx. %
Acrylic resin	Trade secret	10-20
Distillates (petroleum), hydrotreated light	64742-47-8	< 20
Wetting agent	Trade secret, 57-13-6	< 20
Silicic acid, aluminum sodium salt	1344-00-9	< 10
Polyethylene glycol	25322-68-3	< 5
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

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 protective gloves/protective clothing/eye protection/face protection.

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 protective gloves/protective clothing/eye protection/face protection to prevent the material from contacting skin and eyes. Use only in a 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. Keep container tightly closed and locked up. Ventilate well to prevent vapors from settling in low areas.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Ethyl acrylate	ACGIH – TLV (TWA)	5 ppm
	ACGIH – TLV (STEL)	15 ppm
	OSHA – PEL	25 ppm, 100 mg/m ³
Butyl acrylate	ACGIH – TLV (TWA)	2 ppm

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:	1.00 ± 0.05
Solubility (Water):	Miscible.
Partition Coefficient (n-octanol/water):	Not available.
Auto-Ignition Temperature:	Not available.

Decomposition Temperature: Not available.
Viscosity: Not available.

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: None.
HAZARDOUS DECOMPOSITION PRODUCTS:
None.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not available.
Eye Irritation: Not available.
Skin Irritation: Not available.
Sensitization: Not available.
Carcinogenicity: Not available.
Reproductive and Developmental Toxicity:
Suspected of damaging fertility or the unborn child.
Specific target organ toxicity after repeated exposure:
May cause damage to organs <kidney, liver> through prolonged or repeated exposure.
Aspiration toxicity: May be fatal if swallowed and enters airways.

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: Yes.
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):

Ethyl acrylate Reportable quantity = 1,000 lbs (454 kg)

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 ethyl acrylate, which is known to the State of California to cause cancer. 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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