

First issue: Sep. 12, 2014  
Revised: Jun. 7, 2021

## Safety Data Sheet

---

### 1. IDENTIFICATION

---

Product Name: **Matsumin Pearl Binder 301**

General Use: May be used for printing on paper, textile, wood, and film.

Product Description: Water based binder of resin.

SDS Number: A-0082-06

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:

Specific target organ toxicity after repeated exposure: Category 2 < lung: inhalation, central nervous system, optic organ >

Physical Hazard: Not classified.

Signal Word: Warning.

Hazard Statement:

May cause damage to organs < lung: inhalation, central nervous system, optic organ > through prolonged or repeated exposure.

Symbol:



Precautionary Statements:

Prevention:

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

Response:

Get medical advice/attention if you feel unwell.

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. %
Resin	Trade secret	15-25
Propane-1,2-diol	57-55-6	< 10
Titanium dioxide	13463-7	< 10
Ethyl acrylate	140-88-5	< 0.3
Butyl acrylate	141-32-3	< 0.3
Methanol	67-56-1	< 0.3
Non-hazardous and other ingredients below reportable levels	N/A	Balance

V.O.C. CONTENT: < 150 g/L

---

 4. FIRST AID MEASURES
 

---

## INHALATION:

Remove to fresh air. Keep warm and at rest. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed, and get medical attention.

**EYE:** Remove contact lenses if easily possible. Immediately flush eyes with plenty of water for at least 15 minutes occasionally lifting lower and upper lids, until no evidence of chemical remains. Get medical attention.

**SKIN:** Remove contaminated clothing, jewelry, and shoes immediately. Wash with large amounts of water until no evidence of chemical remains (at least 15–20 minutes). Refer for medical attention.

## INGESTION:

Induce vomiting if possible. Never make an unconscious person vomit or drink fluids.

If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical advice.

## PROTECTION TO FIRST-AIDERS:

Wear personal protective clothing and equipment.

## NOTE TO PHYSICIAN:

Treat symptomatically.

---

 5. FIRE FIGHTING MEASURES
 

---

## SUITABLE EXTINGUISHING MEDIA

In case of combustion, use water spray, sand, foam, dry chemical, or CO<sub>2</sub> gas.

## UNSUITABLE EXTINGUISHING MEDIA

No data available.

## SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

No data available.

## SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

In case of fire, wear self-contained breathing apparatus with positive pressure in full facepiece. Move container from fire area if it can be done without risk. Stay upwind during fire fighting.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear personal protective clothing and equipment. Ventilate area.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

For small spill, soak with dry sand, soil, saw dust, or rags. Collect spilled material in container for disposal.

For large spill, dike with sandbags and prevent from contaminating soil.

If material is released to water supply, drains or vegetation, advise local authority.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Protective measures:

Use only in well-ventilated areas. Do not breathe vapor or mist.

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

Keep container tightly closed after each use.

Advice on general occupational hygiene:

Wash thoroughly after handling. Do not eat, drink, or smoke during work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures storage conditions:

Keep container airtight. Store in a cool and dark place away from excessive heat and direct sunlight. Store locked up.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 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
<u>Butyl acrylate</u>	OSHA – PEL	25 ppm, 100 mg/m <sup>3</sup>
	ACGIH - TLV(TWA)	2 ppm
<u>Methanol</u>	ACGIH - TLV(TWA)	200 ppm
	ACGIH - TLV(STEL)	250 ppm (skin)
	OSHA – PEL	200 ppm, 260 mg/m <sup>3</sup>

### EXPOSURE CONTROLS

Occupational Exposure Controls:

Local exhaust ventilation is necessary during operation, especially when vapors or mists can be released in excess of established airborne exposure limits.

Personal Protection:

Respiratory Protection:

Wear respiratory protection as needed.

Hand Protection:

Wear well insulated gloves.

Eye Protection:

Wear safety glasses with side shields or chemical goggles.

Skin Protection:

Wear long pants, long sleeves, well insulated gloves and face shield when applicable.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

Appearance:	Pearlescent white paste.
Odor:	Slight odor.
pH:	8.0 ± 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:	1.06 ± 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:	Nothing in particular.
CONDITIONS TO AVOID:	Nothing in particular.
INCOMPATIBLE MATERIALS:	Nothing in particular.
HAZARDOUS DECOMPOSITION PRODUCTS:	Nothing in particular.

---

## 11. TOXICOLOGICAL INFORMATION

---

Acute Toxicity:	Oral LD <sub>50</sub> > 5,000mg/kg (Calculation data)
Eye Irritation:	Not available.
Skin Irritation:	Not available.
Carcinogenicity:	Not applicable.
Specific target organ toxicity after repeated exposure:	May cause damage to organs <lung: inhalation, central nervous system, optic organ > through prolonged or repeated exposure.
LOCAL EFFECT:	It may cause inflammation if it is attached to the skin for a long time or sensitive skin.

---

## 12. ECOLOGICAL INFORMATION

---

ECOTOXICITY:	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.

---

## 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.

##### CA Prop. 65:

 **WARNING:**

This product can expose you to chemicals including Methanol and Ethyl acrylate, which is known to the State of California to cause cancer or developmental.

For more information go to [www. P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

Methanol 5,000 pounds/2,270 kgs

Ethyl acrylate 1,000 pounds/454 kgs

##### 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.

---

## 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

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of MATSUI SHIKISO CHEMICAL CO., LTD. It relates only to the specific product designated herein, and does not relate to use in combination with any other material or in any process. MATSUI SHIKISO CHEMICAL CO., LTD. assumes no legal responsibility for use of or reliance upon this information.