Safety Data Sheet

1. IDENTIFICATION

Product Name: Matsumin Stretch Mat 301-5
General Use: May be used for printing on paper, textile, wood, and film.
Product Description: Water based binder of resin.
SDS Number: A-0080

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:
Serious eye damage/eye irritation: Category 2B
Specific target organ toxicity single exposure:
Category 1 (central nervous system, kidney, heart, respiratory organ)
Specific target organ toxicity repeated exposure:
Category 1(central nervous system, respiratory organ, heart)
Physical hazard: Not classified.
Signal word: Danger.
Hazard statement:
Causes eye irritation.
Causes damage to organs < central nervous system, kidney, heart, respiratory organ >.
Causes damage to organs < central nervous system, respiratory organ, heart > through prolonged or repeated exposure.
Symbol:

Precautionary statements:
Prevention:
Do not breathe fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do no eat, drink or smoke when using this product.
Response:
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.
If exposed: Call a poison center/doctor.
Get medical advice/attention if you feel unwell.
Specific treatment.

Storage:

Store locked up.

Disposal:

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)	CAS #	Approx. %
Resin	Trade secret	30 – 35
Ethylene glycol	107-21-1	12
Titanium oxide	13463-67-7	3
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. Remove contact lenses, if present and easy to do. Seek medical attention as needed.

SKIN: Wash with mild soap and water.

INGESTION:

Rinse mouth thoroughly with water. Induce vomiting with much water 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

SUITABLE EXTINGUISHING MEDIA

Use water, dry chemical, or CO_2 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. Ventilate area.

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 only in well-ventilated area.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Ethylene glycol	ACGIH – TLV (STEL)	100 mg/m^3 (as ceiling limit)
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 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White paste.
Odor:	Acrylic 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:	1.15 ± 0.05
Solubility (Water):	Miscible.
Partition Coefficient (n-octanol/water):	Not available.
Auto-Ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	110,000±10,000 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:	None.
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not available.
Eye Irritation:	Causes eye irritation.
Skin Irritation:	Mild irritation.
Sensitization:	Not available.
Carcinogenicity:	Not available.
Reproductive and Developmental Toxicity:	Not available.

Specific target organ toxicity single exposure:

Causes damage to organs (central nervous system, kidney, heart, respiratory organ).

Specific target organ toxicity repeated exposure:

Causes damage to organs (central nervous system, respiratory organ, heart) through prolonged or repeated exposure.

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 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):

Ethylene glycol	Reportable quantity	5,000 pounds (2270 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:

Ethylene glycol

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.
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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