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Safety Data Sheet

1. IDENTIFICATION

Product Name: **Fixer L**
General Use: May be used for Printing on paper, textile, wood, and film.
Product Description: Hardening agent.
SDS Number: A-0153-05

MANUFACTURER

Company Name: Matsui Shikiso Chemical Co., Ltd.
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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: Not classified.
Physical Hazard: Not classified.
Signal Word: None.
Hazard Statement: None.
Symbol: None.
Precautionary Statements: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)	CAS #	Approx. %
Epoxy compound.	Trade secret	100

4. FIRST AID MEASURES

INHALATION:

Call a POISON CENTER or doctor/physician if you feel unwell.
Remove victim to fresh air and keep at rest in a position comfortable for breathing.

EYE: 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.

SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

INGESTION:

Rinse mouth. Do NOT induce vomiting.
Call a POISON CENTER or doctor/physician if you feel unwell.

PROTECTION TO FIRST-AIDERS:

Wear personal protective clothing, gloves, safety glasses, etc.

NOTE TO PHYSICIAN:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use dry chemical, foam, or CO₂ gas.

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

UNSUITABLE EXTINGUISHING MEDIA

High-pressure water

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Not available.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

In case of fire, wear respirator. Move container to safety area.

If impossible, cool container with water spray.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear suitable personal protective equipment to prevent the material from contacting skin.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Absorb with dry sand, saw dust or rag, and collect into container for disposal. Avoid releasing spilled material into rivers and/or lakes. If material is released to public water, advise local authority.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Protective Measures:

Use only in well-ventilated areas. 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.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical Measures Storage Conditions:

Store indoors away from freezing and direct sunlight. Keep container airtight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Not established.

EXPOSURE CONTROLS

Occupational Exposure Controls:

Local exhaust ventilation or general ventilation is necessary during indoor operation.

Personal Protection

Respiratory Protection:

Wear respiratory apparatus.

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.

Hygiene measures:

Provide acceptable eyewash facilities within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow liquid.
Odor:	Characteristic odor.
pH:	Not available.
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	212 °C
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:	1.26 ± 0.05 (25 °C)
Solubility (Water):	Soluble.
Partition Coefficient (n-octanol/water):	Not available.
Auto-Ignition Temperature:	Not applicable.
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:	If this product is treated with high temperature, it may cause to polymerize.
CONDITIONS TO AVOID:	Strong acid and strong alkali, oxidizing agent. High temperature, sparks, static electricity.
INCOMPATIBLE MATERIALS:	When used in combination with a hardener, it causes a violent exothermic reaction.
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD ₅₀ > 5,000mg/kg (Calculation data)
Eye Irritation:	Not available.
Skin Irritation:	Not available.
Carcinogenicity:	Not applicable.
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 ₅₀ > 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:

Not applicable.

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:	1
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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