

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-0153-02

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

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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:

Remove to fresh air and lie quiet. Seek medical attention as needed.

EYE: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention immediately.

SKIN: Remove off contaminated clothing and wash with mild soap and plenty of water. Get medical advice/attention as needed.

INGESTION:

Get medical advice/attention immediately. Do NOT induce vomiting.

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

Not available.

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:

No fire. Use only in a well-ventilated area. Minimize vapor generation and avoid breathing vapor or mist. Wear suitable protective equipment and clothing. Prevent build-up of electrostatic charges. Use non-sparking tools. Handle and open containers with care – avoid rough handling or dropping. Sensitive person must not handle this product.

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. Keep away from heat, spark, open flame and sources of ignition. Separate from strong acid, strong alkali, oxidizing agent. Avoid heat. 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:	413.6 °F
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 and direct sunlight.
INCOMPATIBLE MATERIALS:	If this product is used with strong acid and strong alkali substances, it may cause exothermic reaction.
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not available.
Eye Irritation:	Not available.
Skin Irritation:	Not available.
Sensitization:	Not available.
Repeated Dose Toxicity:	Not available.
Chronic Toxicity:	Not available.
Mutagenicity:	Not available.
Carcinogenicity:	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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