

SAFETY DATA SHEET

Product name Liquid F-3
Creation date 2000年6月20日
Revision date 2026年2月2日

(1) CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product name	Liquid F-3
Name of manufacturer	Tenma Factice Mfg. Co. LTD.
Name of section	Head office
Address	21-27, Furuichi-1-chome, Joto-ku, Osaka 536-0001, Japan
Telephone number	+81-6-6932-1332
Fax number	+81-6-6932-1333
E-mail	hyogo@tenmasub.co.jp

(2) Hazards identification

Class name of hazardous chemicals for SDS in Japan.
GHS Classification Not Classified

(3) COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Compound	Substance
Common chemical name or general name	Sulfur-free factice
Synonym(S)	Crosslinked vegetable oils
Cas No.	68410-44-6
Content	100%
Notice through official file number	7-1756
Chemical formula	Not identified
UN Class and UN No.	Not applicable
Hazardous Ingredients	Contains 1.8~2.7% "maleic anhydride" (substance subject to notification under the Safety and Health Act)

(PRTR Act Class 2 designated chemical substances)

(4) FIRST-AID MEASURES

After inhalation	Arrange medical examination and treatment as soon as possible.
After skin contact	Wash the affected area with soap water.
After eye contact	Gently rinse the affected eyes with clean water.
After swallowing	Induce vomiting, if person is conscious. Seek medical help.

A brief description of the most important symptoms and effects

This substance is considered to pose the same risks and safety as liquid synthetic rubber or liquid synthetic resin.

(5) FIRE-FIGHTING MEASURE

Extinguishing
Specific hazards with regard to fire-fighting

Water, dry chemical powder, carbon dioxide, foam or dry sand.
No harmful gas is generated.

Protection for firefighters

Firefighters should wear protective equipment.

(6) ACCIDENTAL RELEASE MEASURES

Personal precautions
protective equipment and
emergency procedures

Wear protect clothes while the work.

Environmental precautions

Avoid entering the river or affecting to the environment.

Methods and materials for
neutralization containment
and cleaning up

Sweep up diffused spillage and place in empty container.

(7) HANDLING AND STORAGE

Handling

Handle it in the same way as liquid synthetic rubber.

Storage

Store in a cool, dry location, and keep away from all sources of ignition or sunlight.

(8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection

Wear appropriate respiratory protection.

Hand protection

Wear appropriate protective gloves.

Eye protection

Wear appropriate eye protection (e.g. A pair of goggles).

Skin and body protection

Wear appropriate protective clothing and safety shoes.

(9) PHYSICAL AND CHEMICAL PROPERTIES

Physical state, form

Liquid

Appearance

Viscous jelly

Color

Light brown or yellow

Odor

Peculiar odor similar to vegetable oil

Melting point / Freezing point

Not applicable

Boiling point or initial
boiling point

Not applicable

Flammability

No data

Lower and upper explosion
limit / flammability limit

Not applicable

Flashpoint

>200°C

Auto-ignition temperature

>300°C

Resolution temperature

>300°C

pH	Not applicable
Kinetic viscosity	Not applicable
Solubility	Soluble in polar organic solvents
n-octanol / water partition coefficient	Not applicable
Vapor pressure	Not applicable
Density	1.00±0.02[g/cm ³ (20°C)]
Relative gas density	Not applicable
Particle characteristics	No data

(10) STABILITY AND REACTIVITY

Chemical stability	Stable in the air at the normal temperature. It is stable and has little reactivity under normal storage conditions, but will irreversibly gel when exposed to ultraviolet light, air for long periods, or high temperatures of 120°C or higher.
Hazardous Reaction Potential	No data
Conditions to avoid	Product quality may be affected under hot and humid conditions.
Hazardous decomposition products	No data
Possibility of hazardous reactions	No data

(11) TOXICOLOGICAL INFORMATION

Acute toxicity	Not available
Skin corrosive / irritation	Not available
Serious eyes damage /Eyes irritation	Not available
Respiratory organs sensitization	Not available
Original generative cell variation	Not available
Carcinogenicity	Not available
Reproduction toxicity	Not available
Specification target internal organs / Whole toxicity (single revelation)	Not available
Specification target internal organs/whole toxicity (repeat revelation)	Not available
Aspiration hazard	Not available

(12) ECOLOGICAL INFORMATION

Ecotoxicity	No data
Persistent / degradable	It slowly spontaneously decomposes in the environment, and its product is considered to have no hazard.
Bioaccumulative	No data

Mobility in soil	No data
Hazardous to the ozone layer	Not available

(13) DISPOSAL CONSIDERATIONS

Residual waste	Dispose of as industrial waste (waste oil-general waste oil).
Packaging materials	After cleaning the inside, it is disposed of as industrial waste (scrap metal - scrap iron).

(14) TRANSPORT INFORMATION

U. N. No.	Not applicable
Land Transportation	Not regulated in Japan
Maritime Transportation	Not regulated in Japan
Air Transportation	Not regulated in Japan

(15) REGULATORY INFORMATION

Waste Disposal and Public Cleansing Law	Article 1-2, item 2 of the Enforcement Regulations: "Waste oil"
Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (CSCL)	Not applicable to specified chemical substances, monitoring chemical substances, or priority assessment chemical substances.
Pollutant Release and Transfer Registry (PRTR)	Contains "maleic anhydride" (PRTR Act Class 2 designated chemical substances)
Industrial Safety and Health Law	Article 57-2 Contains "maleic anhydride"
Fire Service Law	Not applicable
Water Pollution Control Law	Not applicable
Notes	Anyone who handles, stores, uses or disposes of this product should be aware of any local regulations, etc., in the relevant area.

(16) OTHER INFORMATION

This "SDS" is based on relevant information which has been available, and subject to change by new knowledge.

Though Tenma factice Mfg. take special care for description in "SDS", no warranty is intended.