

LS North Only

MATERIAL SAFETY DATA SHEET

Required under OSHA'S Hazard Communication Standard 29CFR190-1200

EMERGENCY TELEPHONE NUMBER

CHEMTREC: (800) 424-9300/(202) 483-7616

"CHEMTREC" NUMBER SHOULD ONLY BE USED IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT INVOLVING CHEMICALS.

IDENTITY (As used on Label and list)
JOMO Freol SR30

Section I

Manufacturer's Name

JAPAN ENGROY CO., LTD.

Telephone Number for information

03-5573-6519 (Japan)

Address

Date Prepared

10-1, Toranonon 2-chone
Minatoku, Tokyo 105
Japan

1st December, 1993

IMPORTER: HITACHI AMERICA LTD, PID, FREMONT CALIFORNIA

Section II - Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity, Common Name)

No hazardous materials present

Triesters (ab. 100%)

OSHA PEL

ACGIH TLV

Section III - Physical Characteristics

Boiling Point

Not Applicable

Vapor Pressure (mmHg)

Negligible

Vapor Density (AIR=1)

Not Applicable

Solubility in water

Negligible

Appearance and Odor

Colorless, clear mobile liquid

Specific Gravity (H₂O=1) 1.021 (15°C)

Melting Point (Pour point) -27.5°C

Evaporation Rate Not Applicable
(Butyl Acetate=1)

Section IV - Fire and Explosion Hazard Data

Flash Point (method Used)

268°C (CDC)

Flammable limits

No information

LEL

UEL

Extinguishing Media

Foam, dry chemical, carbon dioxide

Special Fire Fighting Procedures

None

Unusual Fire and Explosion Hazards

Not in particular. Normal protective measures for organic chemical products with flash points of above 100°C.

Section V – Reactivity Data

Stability Stable
Incompatibility (Materials to Avoid)
None
Hazardous Decomposition or Byproducts
None
Hazardous Polymerization
will not occur

Section VI – Health Hazard Data

Route(s) of Entry
Inhalation, Skin, Ingestion
Health Hazards (Acute and Chronic)
No information is available
Carcinogenicity NTP IARC Monographs OSHA Regulated
None None None
Signs and Symptoms of Exposure
No information is available
Medical Conditions generally Aggravated by Exposure
No information is available
Emergency and First Aid Procedures
Skin Contact: Wash material off the skin with copious amounts of water and soap.
Eyes Connect: Immediately flush with plenty of water for at least 15 minutes.
Inhalation: Remove exposed person to fresh air.
Ingestion: Do not induce vomiting. Call physician immediately.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled.

Prevent spillage from spreading by using sand and absorb the liquid substance using a suitable inert material. Transfer to a suitably labeled, sealable container. Do not allow liquid to enter open waters or ground water.

Waste Disposal Method

Waste material may be incinerated under conditions which meet all Federal, State, and local environmental control regulations.

Precautions to be Taken in Handling and Storing

Store in cool, dark and low humidity place

Other Precautions

Not in particular

Section VIII – Control Measures

Respiratory Protection

Ventilation	Local Exhaust	Not Required
	Mechanical (General)	Not Required
	Special	Adequate ventilation should be maintained when handling heated products.

Handling

Protective Gloves Rubber Gloves

Eye Protection Glasses or Goggles

Other Protective Clothing or Equipment Not Required

Work/Hygienic Practices Not Required