



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: SUNISO 4GS Refrigeration Oil

PRODUCT USE: Lubricant

EXIM TRADING LLC 12601 NW 115TH Ave, Unit 111A, Medley, FL, 33178
☎ (305) 884 7882 📠 (305) 884 7883

FOR EMERGENCY

Medical: 1-800-498-5701
Transportation: Chemtrec 1-800-424-9300
OUTSIDE UNITED STATES, CALL COLLECT 1-352-323-3500

2. COMPOSITION / INFORMATION ON INGREDIENTS

Description This product is a refined mineral oil and it is not expected to present any unusual hazards, in proper use.

Component Name	CAS Number	% (w/w)
Distillates, (petroleum), hydro treated heavy naphthenic	64742-52-5	100%

Note(s): This is not a dangerous substance

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

COLOR: Amber

PHYSICAL FORM: Liquid

ODOR: Mild petroleum

MAJOR HEALTH HAZARDS: EXCESSIVE INHALATION EXPOSURE MAY CAUSE IRRITATION OF RESPIRATORY PASSAGES. MAY BE HARMFUL IF SWALLOWED. INHALATION OR INGESTION MAY CAUSE MUCOUS MEMBRANE IRRITATION

PRECAUTIONARY STATEMENTS: Do not breathe vapor or mist. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Keep container tightly closed. Wash thoroughly after handling. Use only with adequate ventilation.



POTENTIAL HEALTH EFFECTS:

Routes of Exposure

- EYE CONTACT:** Eye contact May cause eye irritation.
- SKIN CONTACT:** Short contact periods with human skin are not usually associated with skin irritation. Repeated and/or prolonged contact may cause irritation. No toxic effects are expected if absorbed through the skin.
- INHALATION:** This material may cause irritation following inhalation. No toxic effects are known to be associated with inhalation of this material.
- INGESTION:** In humans, irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion of this product. May be harmful if swallowed.

4. FIRST AID MEASURES

- Skin contact** Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse. If redness, itching, or a burning sensation develops, get medical attention.
- Eye contact** Flush with clean, lukewarm water (low pressure) occasionally lifting eyelids for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.
- Inhalation** Avoid breathing oil mists. Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult or cyanosis (blue discoloration of skin) is noted. Get medical attention. Aspiration may cause pulmonary edema or aspiration pneumonia. Exposed persons should be kept under medical observation for at least 48 hours because delayed effects may occur.
- Ingestion** DO NOT INDUCE VOMITING. Fluid has laxative effect. Not expected to be toxic by ingestion. Give one or two glasses of water to drink and refer to medical personnel. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES:

Use water spray to cool fire-exposed containers and structures. If a rail or tank truck is involved in a fire, ISOLATE for 800 meters (0.5 mile) in all directions. Shut off fuel to fire if it is possible to do so without hazard. If this is impossible, withdraw from the area and let the fire burn out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.



PROTECTIVE EQUIPMENT: Body covering protective clothing, full "turn-out" gear. Self-contained breathing apparatus with full face-piece operated in positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS

This product will float upon water, so water spray is not a suitable extinguishing agent as it may cause any fire to spread.

FIRE HAZARDS: Do not cut, drill, or weld empty containers.

EXTINGUISHING MEDIA

Suitable: Treat as an oil fire.

- Small fires: - CO₂
- Dry Powder
- Foam

- Large fires: - Alcohol-type Foam or Universal-type Foams
- Water fog

Unsuitable: Oil will float on water and can spread any fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ensure adequate ventilation of the working area. Wear protective clothing when taking up spill. Eliminate sources of ignition.

ENVIRONMENTAL PRECAUTIONS: This product is insoluble in water and will float on the surface. Prevent from entering sewers or drains. Should this product enter sewers or drains, it should be pumped out into an open vessel. Emergency services may need to be called to assist in this operation.

CLEAN UP METHOD: Floor may be slippery; use care to avoid falling

SMALL SPILLS: Cover remaining spilled product with dry powder, dry sand, or Vermiculite.

LARGE SPILLS: Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Stop leak, if without risk.

7. HANDLING AND STORAGE

NORMAL HANDLING: (Always wear recommended personal protective equipment)
Never use pressure to empty drums. Keep drums tightly closed to prevent contamination. Residual vapors may explode on ignition; do not puncture, drill, grind, or weld near this container. Electrically bond and ground all containers and equipment before transfer or use of



material. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

STORAGE RECOMMENDATIONS:

Normal precautions common to safe manufacturing practice should be followed in handling and storage. Store in a cool, dry, well ventilated area. Keep out of strong sunlight. Keep away from heat and flame. Keep container tightly closed. Store in correctly labeled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES: Ensure adequate ventilation of the working area.

OCCUPATIONAL EXPOSURE CONTROLS: Remove contaminated clothing and clean it. Do not eat or drink at work. Keep away from food, drink and animal feed.

RESPIRATORY PROTECTION: If vapor and/or mist are generated by heating, spraying, etc., wear an organic vapor respirator with a mist filter. No special respiratory protection is normally required.

HAND PROTECTION: Normally none required, for direct contact of more than 2 hours, oil resistant gloves are recommended.

SKIN PROTECTION: Wear protective clothing, such as long sleeves to minimize skin contact.

EYE PROTECTION: Normally none required, face shield or chemical goggles if splashing is likely.

VENTILATION: Local ventilation is needed in the presence of airborne mists.

EXPOSURE LIMITS:

COMPONENT	TYPE	VALUE	REMARKS
Mineral Oil Mist	TWA (mist), ACGIH	5.0 mg/m ³	If used in way that generates a "mist" observe the limits for Mineral Oil Mist.
	STEL (mist), ACGIH	10.0 mg/m ³	

9. PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION: Liquid

COLOR: Amber

ODOR: Mild Petroleum

BOILING POINT: > 260 °C at STP unless specified below.

SPECIFIC GRAVITY: < 1 (H₂O = 1)

VAPOR PRESSURE: < 0.005 hPa (0.00 mmHg) at 20 °C

VAPOR DENSITY: > 10 (air = 1)

SOLUBILITY IN WATER: Insoluble

SOLUBILITY IN ORGANIC SOLVENTS: Soluble



PARTITIONING COEFFICIENT: log POW: > 6
This product is soluble in oil.
FLASH POINT: > 187 °C (> 370 °F)
Method: Cleveland open cup ASTM D 92
VOLATILITIES, % VOLUME: NIL
KINEMATIC VISCOSITY: > 30 mm²/s at 40 °C

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBLE MATERIALS: Normally un-reactive; however avoid contact with:

- Strong oxidizing agents.
- Sunlight or ultraviolet light.
- Heat or high temperature

DECOMPOSITION PRODUCTS: Burning can produce the following combustion products:

- Oxides of carbon
- Soot

11. TOXICOLOGICAL INFORMATION

SWALLOWING: Ingestion is unlikely to have any toxic effects but the product may act as an intestinal lubricant and result in diarrhea and frequent loose stools. If vomiting occurs, aspiration may cause delayed pulmonary edema and chemical pneumonia.

TEST RESULTS: ACUTE TOXICITY Remark: No data available

SKIN ABSORPTION: Harmful effects are not expected from short periods of contact. Prolonged or repeated contact may lead to skin irritation by dermatitis or oil acne.

INHALATION: Harmful effects are not expected from static vapor at ambient temperature. Inhalation of mist or spray may be harmful.
CHRONIC EFFECTS
Aspiration may cause pulmonary edema or aspiration pneumonia. Oil deposits in the lung may lead to fibrosis and reduced pulmonary function. Prolonged or repeated inhalation of excessive amounts of oil mist or vapors may cause irritation of the respiratory tract.

TEST RESULTS: ACUTE TOXICITY Remark: No data available

SKIN CONTACT: No evidence of harmful effects from available information.

EYE CONTACT: No evidence of harmful effects from available information.



12. ECOLOGICAL INFORMATION

Not expected to be acutely toxic to aquatic organisms. This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION Incineration is probably the best means of disposal. Dispose of in accordance with appropriate Federal, State, and local regulations.

CONTAINER DISPOSAL Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residues from container and puncture or otherwise destroy empty container before disposal.

14. TRANSPORT INFORMATION

D.O.T. HAZARD CLASS Not regulated

IMDG CLASSIFICATION Not regulated

ICAO CLASSIFICATION Not regulated

PRODUCT LABEL Suniso 4GS

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are: NONE

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Distillates, (petroleum), hydro treated heavy naphthenic	64742-52-5	

EPA Hazard Categories (SARA 311, 312): None

16. OTHER INFORMATION

	Health Hazard	Flammability	Physical Hazard	Instability
HMIS Classification	1	1	0	

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