



Parker Hannifin Corporation
Sporlan Division
206 Lange Drive
Washington, MO 63090
U.S.A.

SUNISO® 4GS Refrigeration Oil

L317; L319; L322; L325; L352; L355, L358

SDS Revision Date (mm/dd/yyyy): 04/17/2015

Page 1 of 9

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **SUNISO® 4GS Refrigeration Oil**

Product Code(s)

: L317 (P/N 475327), L319 (P/N 475330), L322 (P/N 475336), L325 (475341), L352 (P/N 475346), L355 (P/N 475349) and L358 (P/N 475351).

Recommended use of the chemical and restrictions on use

: Professional Use Only. Severely refined, naphthenic refrigeration system lubricant.

Chemical family

: Mixture. Petroleum distillates

Name, address, and telephone number of the supplier:

Parker Hannifin Corporation - Sporlan Division

206 Lange Drive
Washington, MO, U.S.A.
63090

Supplier's Telephone #

: (636) 239-1111

24 Hr. Emergency Tel #

: Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

WHMIS classification: This product is not a WHMIS controlled product in Canada. It does not meet any of the criteria for a controlled product provided in Part IV of the Controlled Products Regulations (CPR).

OSHA: This material is not classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Label elements

The following label information is applicable only to the United States according to OSHA Regulations (29 CFR 1910.1200) (Hazcom 2012):

Signal Word

Not required

Hazard statement(s)

None required.

Precautionary statement(s)

None required.

The following label information is applicable only to Canada according to the Canadian Controlled Products Regulations (CPR/WHMIS):

This product is not a WHMIS controlled product in Canada. As such, this product does not require a WHMIS Supplier label.





SUNISO® 4GS Refrigeration Oil

L317; L319; L322; L325; L352; L355, L358

SDS Revision Date (mm/dd/yyyy): 04/17/2015

Page 2 of 9

SAFETY DATA SHEET

Other hazards

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes. May be mildly irritating to eyes and skin. Oils can block the skin pores causing an acne-like disorder. Ingestion can cause gastrointestinal irritation, nausea, and diarrhea. May cause irritation to the nose, throat and upper respiratory tract. If product is heated or mists are formed, inhalation may cause irritation to the nose, throat and respiratory tract.

Environmental precautions: Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS #</u>	<u>Concentration</u>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	90.0 - 100.0

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
- Inhalation* : Move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. If irritation or symptoms develop, seek medical attention.
- Skin contact* : For skin contact, wash with soap and water while removing contaminated clothing. If irritation persists, seek prompt medical attention. Wash contaminated clothing before reuse.
- Eye contact* : Immediately flush eyes with running water for at least 5 to 10 minutes. If irritation persists, seek prompt medical attention.

Most important symptoms and effects, both acute and delayed

- : May be mildly irritating to eyes and skin. May cause irritation, redness and pain. Oils can block the skin pores causing an acne-like disorder. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause irritation of mouth, throat, and stomach. May cause irritation of respiratory tract. Symptoms may include coughing, choking and wheezing.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media* : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media

- : Do not use water jet, as this may spread burning material.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Not flammable under normal conditions of use. However, may ignite if exposed to extreme heat and flame. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.106)

- : Non-flammable.

Explosion Data: Sensitivity to Mechanical Impact / Static Discharge:

- : Not expected to be sensitive to mechanical impact or static discharge.

Hazardous combustion products

- : Carbon oxides; Nitrogen oxides ; sulfur oxides ; Phosphorus compounds ; Polycyclic aromatic hydrocarbons. Other unidentified organic compounds .

Special protective equipment and precautions for firefighters



SAFETY DATA SHEET

Protective equipment for fire-fighters

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Prevent fire extinguishing water from contaminating surface water or the ground water system. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

- : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Methods and material for containment and cleaning up

- : Remove all sources of ignition. Ventilate area of release. Stop the spill at source if it is safe to do so. Dike for water control. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Notify the appropriate authorities as required. Refer to Section 13 for disposal of contaminated material.

Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
 US CERCLA Reportable quantity (RQ): None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Wear suitable protective equipment during handling. Use with adequate ventilation. Avoid breathing vapors, fumes or dust. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and flame. Avoid contact with incompatible materials. Keep containers closed when not in use. Wash thoroughly after handling. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

Conditions for safe storage

- : Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Inspect periodically for damage or leaks. Protect against physical damage. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel.

Incompatible materials

- : Oxidizing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m ³ (As 'Oil mist, mineral')	N/Av	5 mg/m ³ (As 'Oil mist, mineral')	N/Av

Exposure controls

Ventilation and engineering measures

- : Use with adequate ventilation. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.



SUNISO® 4GS Refrigeration Oil

L317; L319; L322; L325; L352; L355, L358

SDS Revision Date (mm/dd/yyyy): 04/17/2015

Page 4 of 9

SAFETY DATA SHEET

- Respiratory protection** : If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Advice should be sought from respiratory protection specialists.
- Skin protection** : Gloves impervious to the material are recommended. Advice should be sought from glove suppliers.
- Eye / face protection** : Safety goggles or glasses as appropriate for the job.
- Other protective equipment** : Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. Ensure that eyewash stations and safety showers are close to the workstation location.
- General hygiene considerations** : Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Amber liquid.
- Odour** : Petroleum odor.
- Odour threshold** : N/Av
- pH** : N/Av
- Melting/Freezing point** : N/Av
- Initial boiling point and boiling range** : >230°C (446°F)
- Flash point** : > 93.3°C (200°F)
- Flashpoint (Method)** : N/Av Pensky Martens Closed Cup
- Evaporation rate (BuAe = 1)** : N/Av
- Flammability (solid, gas)** : Not flammable.
- Lower flammable limit (% by vol.)** : N/Av
- Upper flammable limit (% by vol.)** : N/Av
- Oxidizing properties** : None known.
- Explosive properties** : Not explosive
- Vapour pressure** : <0.01 mmHg (0.008 kPa)
- Vapour density** : N/Av
- Relative density / Specific gravity** : <1
- Solubility in water** : insoluble
- Other solubility(ies)** : N/Av
- Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : >20
- Auto-ignition temperature** : N/Av
- Decomposition temperature** : N/Av
- Viscosity** : 19-150 mm²S @ 40°C (104°F)
- Volatiles (% by weight)** : Nil
- Volatile organic Compounds (VOC's)** : N/Av
- Absolute pressure of container** : N/Av
- Flame projection length** : N/Av
- Other physical/chemical comments** : No additional information.



SUNISO® 4GS Refrigeration Oil
SDS Revision Date (mm/dd/yyyy): 04/17/2015

L317; L319; L322; L325; L352; L355, L358
Page 5 of 9

SAFETY DATA SHEET

SECTION 10. STABILITY AND REACTIVITY

- Reactivity** : Not normally reactive.
- Chemical stability** : Stable under the recommended storage and handling conditions prescribed.
- Possibility of hazardous reactions** : Hazardous polymerization will not occur.
- Conditions to avoid** : Avoid heat and open flame. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.
- Incompatible materials** : Oxidizing agents.
- Hazardous decomposition products** : None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

- Routes of entry inhalation** : YES
- Routes of entry skin & eye** : YES
- Routes of entry Ingestion** : YES
- Routes of exposure skin absorption** : NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

- : If product is heated or mists are formed, inhalation may cause irritation to the nose, throat and respiratory tract.

Sign and symptoms ingestion

- : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause irritation of mouth, throat, and stomach.

Sign and symptoms skin

- : Direct skin contact may cause slight or mild, transient irritation.

Sign and symptoms eyes

- : May cause mild irritation, redness and watering.

Potential Chronic Health Effects

- : Oils can block the skin pores causing an acne-like disorder.

Mutagenicity

- : Not expected to be mutagenic in humans.

Carcinogenicity

- : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

- : Not expected to cause reproductive effects.

Senitization to material

- : This material is not classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Specific target organ effects

- : The substance or mixture is not classified as specific target organ toxicant, single exposure.

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Irritancy

- : Mild eye irritant. Mild skin irritant.

Medical conditions aggravated by overexposure

- : Pre-existing skin and respiratory disorders.

Synergistic materials

- : Not available.

Toxicological data

- : See below for toxicological data on the substance.



SUNISO® 4GS Refrigeration Oil
 SDS Revision Date (mm/dd/yyyy): 04/17/2015

L317; L319; L322; L325; L352; L355, L358
 Page 6 of 9

SAFETY DATA SHEET

<u>Chemical name</u>	<u>LC₅₀(4hr)</u>	<u>LD₅₀</u>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Distillates (petroleum), hydrotreated heavy naphthenic	> 5 mg/L (mist)	> 5000 mg/kg	> 2000 mg/kg

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 5000 mg/L (Rainbow trout)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 1000 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 1000 mg/L/96hr (Green algae)	N/Av	None.

Persistence and degradability

: Inherently biodegradable.

Bioaccumulation potential

: The product itself has not been tested.

Mobility in soil

: The product itself has not been tested.

Other Adverse Environmental effects

: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Handle waste according to recommendations in Section 7.

Methods of Disposal

: Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.



SUNISO® 4GS Refrigeration Oil
 SDS Revision Date (mm/dd/yyyy): 04/17/2015

L317; L319; L322; L325; L352; L355, L358
 Page 7 of 9

SAFETY DATA SHEET

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	Not regulated	none	
49CFR/DOT Additional information	None.				
TDG	None.	Not regulated.	Not regulated	none	
TDG Additional information	None.				
ICAO/IATA	None.	Not regulated.	Not regulated	none	
ICAO/IATA Additional information	None.				

- Special precautions for user** : Appropriate advice on safety must accompany the package.
- Environmental hazards** : This substance does not meet the criteria for an environmentally hazardous substance according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
 : This information is not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	Yes	N/Ap	N/Av	No	0.1%

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	No	N/Ap	No	No	No	No	No	No



SUNISO® 4GS Refrigeration Oil

L317; L319; L322; L325; L352; L355, L358

SDS Revision Date (mm/dd/yyyy): 04/17/2015

Page 8 of 9

SAFETY DATA SHEET

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	<u>CAS #</u>	<u>European EINECs</u>	<u>Australia AICS</u>	<u>Philippines PICCS</u>	<u>Japan ENCS</u>	<u>Korea KECI/KECL</u>	<u>China IECSC</u>	<u>NewZealand IOC</u>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0	Present	Present	(9)-1689	KE-12543	Present	No information available.

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
 CA: California
 CAS: Chemical Abstract Services
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 CFR: Code of Federal Regulations
 DOT: Department of Transportation
 EPA: Environmental Protection Agency
 HMIS: Hazardous Materials Identification System
 HSDB: Hazardous Substances Data Bank
 IARC: International Agency for Research on Cancer
 Inh: Inhalation
 IUCLID: International Uniform Chemical Information Database
 MA: Massachusetts
 MN: Minnesota
 mppcf: million particles per cubic foot
 MSHA: Mine Safety and Health Administration
 N/Ap: Not Applicable
 N/Av: Not Available
 NFPA: National Fire Protection Association
 NIOSH: National Institute of Occupational Safety and Health
 NJ: New Jersey
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PA: Pennsylvania
 PEL: Permissible exposure limit
 RCRA: Resource Conservation and Recovery Act
 RI: Rhode Island
 RTECS: Registry of Toxic Effects of Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 STEL: Short Term Exposure Limit
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values
 TWA: Time Weighted Average
 WHMIS: Workplace Hazardous Materials Identification System



SUNISO® 4GS Refrigeration Oil

L317; L319; L322; L325; L352; L355, L358

SDS Revision Date (mm/dd/yyyy): 04/17/2015

Page 9 of 9

SAFETY DATA SHEET

References : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2014.
 2. International Agency for Research on Cancer Monographs, searched 2014.
 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2015 (Chempendium, HSDB and RTECs).
 4. Material Safety Data Sheets from manufacturer.
 5. US EPA Title III List of Lists - October 2012
 6. California Proposition 65 List - 26 December 2014

Preparation Date (mm/dd/yyyy)

: 08/27/2010

Reviewed Date SDS (dd/mm/yyyy)

: 17/04/2015

Revision No.

: 3

Revision Information

: All (format change)

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

HMIS Rating

: * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 Flammability: 0 Reactivity: 0

NFPA Rating

0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

: *Health: 1 Flammability: 0 Instability: 0 Special Hazards: None.*

<p>Prepared for: Parker Hannifin Corporation Sporlan Division 206 Lange Drive, Washington, MO 63090 U.S.A. Telephone: (636) 239-1111 www.parker.com Direct all enquiries to: Parker Hannifin Corp. Sporlan Division.</p>	
<p>Prepared by: ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada) http://www.thecompliancecenter.com</p>	

DISCLAIMER

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by Parker Hannifin Corporation and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Parker Hannifin Corporation expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Parker Hannifin Corporation.

END OF DOCUMENT

SUNISO 4GS REFRIGERATION OIL

Material Safety Data Sheet

SECTION I - COMPANY IDENTIFICATION

PRODUCT: SUNISO 4GS REFRIGERATION OIL

CAT. NO.: L317, L319, L322, L325

PACKED & DISTRIBUTED BY:

Virginia KMP Corporation
4100 Platinum Way
Dallas, Texas 75237

TELEPHONE NUMBERS:

Office: 1-(214) 330-7731
Emergency Only: 1-(800) 424-9300

SECTION II - HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)

EXPOSURE LIMITS: 8 HR. TWA

OSHA PEL

ACGIH TLV

Mineral oil (CAS# 64742-52-5)

NE

5 mg/m³ (mist)

SECTION III - HAZARDS IDENTIFICATIONS

EMERGENCY OVERVIEW: CAUTION! Eye and skin irritant. Harmful if swallowed.

POTENTIAL HEALTH EFFECTS:

INHALATION: Harmful if inhaled, but unlikely in normal use.

EYE CONTACT: Eye irritation develops immediately upon contact.

SKIN CONTACT: Causes skin irritation; may aggravate pre-existing skin disorders.

INGESTION: Irritates gastrointestinal tract.

CHRONIC Effects: None Established

NOTE:

CARCINOGENICITY: LISTED IN NTP? No

IARC? No

OSHA Regulated? No

SECTION IV - FIRST AID MEASURES

INHALATION: Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact a physician immediately.

EYE CONTACT: Flush eyes with water for 15 minutes. Get medical attention if symptoms develop and persist.

SKIN CONTACT: Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.

INGESTION: Do NOT induce vomiting. Rinse mouth out with water. Get immediate medical attention.

SECTION V - FIRE FIGHTING MEASURES

FLASHPOINT (TEST METHOD): 302 F

FLAMMABLE LIMITS: LOWER: ND

UPPER: ND

AUTOIGNITION TEMPERATURE: ND

GENERAL HAZARD: Combustible liquid, acrid smoke and irritating fumes.

FIRE FIGHTING INSTRUCTIONS: Keep unnecessary people away; isolate area. Firefighters should wear NIOSH approved, self contained breathing apparatus. Approach fire from upwind side. Avoid breathing smoke, fumes, mist, or vapors on the downwind side.

EXTINGUISHING MEDIA: Dry powder, carbon dioxide (CO₂), water fog or spray.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, carbon monoxide, carbon dioxide.

SECTION VI - ACCIDENTAL RELEASE MEASURES

LAND SPILL: Emergency response coordinator must have mandated training. Eliminate all ignition sources. **SMALL SPILLS:** Pick up with absorbent materials and place in non-leaking containers; seal tightly for proper disposal or reuse. **LARGE SPILLS:** Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels.

WATER SPILL: Floating water hazard. Collect and place in chemical waste container. Notify appropriate authorities.

Clean up leaks/spills immediately to prevent soil or water contamination.

SECTION VII - HANDLING AND STORAGE

HANDLING: After handling this product, wash hands before eating, drinking, or smoking. Avoid contact with skin, eyes, and clothing. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in Section IV. Launder contaminated clothing before reuse.

STORAGE: Store away from oxidizers. Store away from sources of ignition.

SUNISO 4GS REFRIGERATION OIL

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation recommended.
PERSONAL PROTECTION: Use gloves to prevent prolonged skin contact.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE: Negligible
SPECIFIC GRAVITY: 0.9
SOLUBILITY IN WATER: Insoluble
pH: NA
BOILING POINT: 260 C
APPEARANCE & ODOR: Light golden liquid, oil odor

VAPOR DENSITY (Air=1): >5
EVAPORATION RATE (N-BUTYL ACETATE=1): >1
VOC (G/L): 0
FREEZING POINT:

SECTION X - STABILITY AND REACTIVITY

STABILITY: Stable.
CONDITIONS TO AVOID: Ignition sources.
MATERIALS TO AVOID: Oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion: Smoke, carbon monoxide, carbon dioxide.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

Mineral oil LD50: 402 g/kg (skin: mouse)

SECTION XII - ECOLOGICAL INFORMATION

Not available.

SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose as hazardous waste. Classification and documentation is required before disposal. Follow all local, state and federal regulations.

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not regulated.

HAZARD CLASS: NA
IDENTIFICATION NUMBER: NA
DOT Emergency Guide #: 171
Reportable Quantity (RQ): NA
International: NA

SECTION XV - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.
CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): Not listed.

SARA TITLE III (Superfund Amendments and Reauthorization Act): None listed.

CALIFORNIA PROPOSITION 65: WARNING: This product contains mineral oils, a chemical known to the State of California to cause cancer.

SECTION XVI - OTHER INFORMATION

State Right-to-Know Programs: None

NFPA Ratings

Health: 0
Flammability: 0
Reactivity: 0

HMIS Protective Equipment: X See your supervisor