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Material Safety Data Sheet

**SECTION I - PRODUCT IDENTIFIER**

PRODUCT: SUNISO 4GS REFRIGERATION OIL

SUPPLIER: Virginia KMP  
4100 Platinum Way  
Dallas, Texas 75237  
214-330-7731

NFPA Ratings:  
Health: 0  
Fire: 0  
React: 0  
Special: --  
O=LEAST to 4=EXTREME

Emergency Phone: Chemtrec 1-800-424-9300  
International 202-483-7616

HMS PERSONAL PROT: A

**SECTION II - HAZARDOUS INGREDIENTS**

HAZARDOUS COMPONENTS-(CAS Number) EXPOSURE LIMITS

Mineral oil (64742-52-5).....ND

**SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT: 260 DEG C MELTING POINT: NA  
SPECIFIC GRAVITY (H2O=1): 0.9 VAPOR PRESSURE: negligible  
VAPOR DENSITY (Air=1): >5 EVAPORATION RATE (BuAc=1): >1  
SOLUBILITY IN WATER: insoluble pH: NA  
APPEARANCE AND ODOR: light golden liquid, oil odor VOC: 0 g/l

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (Method): 302 deg F  
FLAMMABLE LIMITS: Lower[ ND ] Upper[ ND ]

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

SPECIAL FIRE FIGHTING PROCEDURES: 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.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

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**SECTION V - REACTIVITY INFORMATION**

STABILITY: PRODUCT IS, Stable  
INCOMPATIBILITY:  
MATERIALS TO AVOID: Oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: From combustion: smoke, carbon monoxide, carbon dioxide.  
HAZARDOUS POLYMERIZATION: Will not occur.

**SECTION VI - HEALTH HAZARD DATA**

INHALATION? unlikely ROUTES OF ENTRY  
SKIN ABSORPTION? unlikely SKIN/EYES? yes - irritant  
INGESTION? unlikely - irritant

HEALTH HAZARDS

ACUTE: Possible irritant to eyes. Irritant to gastrointestinal tract if ingested.

CHRONIC: None Established

CARCINOGENICITY: LISTED IN NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE: Eye irritation develops immediately upon contact.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing skin disorders.

**FIRST AID PROCEDURES**

EYE CONTACT: Flush eyes with water 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.

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.

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**SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE**

**SPILL OR LEAK PROCEDURES:** 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.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store away from oxidizers. Store away from sources of ignition.

**OTHER PRECAUTIONS:** Clean up leaks/spills immediately to prevent soil or water contamination.

**SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Not normally needed

**VENTILATION:** LOCAL EXHAUST - Recommended, SPECIAL - Not necessary,  
MECHANICAL-Recommended, OTHER - Not necessary

**PROTECTIVE GLOVES:** Not normally needed

**EYE PROTECTION:** Not normally needed.

**OTHER PROTECTIVE EQUIPMENT:** Boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes.

**WORK HYGIENIC PRACTICES:** Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section VI. Launder contaminated clothing before reuse.

**SECTION IX - TRANSPORTATION INFORMATION**

Not-Regulated

**SECTION X - REGULATORY/ENVIRONMENTAL**

**EPA HAZARDS:** ACUTE-Yes, CHRONIC-No, FLAMMABILITY-No,  
SUDDEN RELEASE OF PRESSURE-No, REACTIVE-No

**Tercla:** Not listed

**SARA Title III**

Section 313, Toxic Materials: None Listed  
Chemical Name CAS # Percentage

**CLEAN AIR ACT:** Not Listed

**CLEAN WATER ACT:** Not Listed

**STATES LISTS:** Not Listed

**TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 710** Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Sect. 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

**Footnotes:**

NA-Not applicable ND-Data not available CS-Cancer Suspect Agent OX-Oxidizer  
Cor-Corrosive CALC-Calculated EST-Estimated STEL-Short Time Exposure Limit  
TLV-Threshold Limit Value PEL-Permissible Exposure Limit TWA-Time Weighted Average, 8 hours

HMIS, PPI-Hazardous Material Identification System, Personal Protection Index

The data presented is true and correct to the best of our knowledge and belief, however, neither seller nor preparer makes any warranties, express or implied, concerning the information presented. The user is cautioned to perform his own hazard evaluation and to rely upon his own determinations.

**SCIENTIFIC INFORMATION SERVICES**

Telephone (817) 560-4631

Form essentially the same as OSHA Form 174 dated September 1985

Preparation date: July 11, 1991

Revise date: October 29, 1992