

#74

**SUNISO 3GS REFRIGERATION OIL (revised July 2004)**

Material Safety Data Sheet

**SECTION I - COMPANY IDENTIFICATION**

**PRODUCT:** SUNISO 3GS REFRIGERATION OIL

**CAT. NO.:** L316, L318, L321, L324

**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/m<sup>3</sup> (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 (CO<sub>2</sub>), 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.

**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

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

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FREEZING POINT:ND

pH: NA

BOILING POINT: 260 C

APPEARANCE & ODOR: Light golden liquid, oil odor

**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 of in accordance with all local, state, and federal regulations.

**SECTION XIV - TRANSPORTATION INFORMATION**

PROPER SHIPPING NAME: Not regulated material, liquid  
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: 1  
Reactivity: 0  
HMIS Protective Equipment: X See your supervisor

Prepared by: Virginia KMP Corporation

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