

MATERIAL SAFETY DATA SHEET

Part No. 209500 / 209504
REFRIGERATION OIL

LABEL BRANDS: MURRAY
 NAPA
 ATLAS

SECTION I — IDENTIFICATION

NAME: Refrigeration Oil
 USE: Air Conditioning (Service & Maintenance)
 Automotive and Truck Systems
 GRADE: Refrigerant
 CHEMICAL FAMILY: Refined mineral oil
 FORMULA: A mixture of liquid hydrocarbons refined
 from petroleum.

TSCA INVENTORY STATUS:

MANUFACTURER / DISTR.: B-V Associates, Inc.
 49540 Martin Drive
 Wixom, MI 48096

PRODUCT INFORMATION PHONE: (313) 669-5050

MEDICAL EMERGENCY PHONE: (313) 669-5050

TRANSPORTATION EMERGENCY PHONE:

Chemrec - (800) 424-9300

SARA/TITLE III STATUS:

See HAZARDOUS COMPONENTS & ADDITIONAL
 INFORMATION SECTIONS.

SECTION II — PHYSICAL DATA

BOILING POINT: 302° degrees F (128° degrees C)
 SPECIFIC GRAVITY (Water = 1): .879
 VAPOR DENSITY (Air = 1): > 10
 VAPOR PRESSURE: < .0001 mm of Hg at 20° degrees C
 EVAPORATION RATE: Negligible
 pH INFORMATION: N/A
 PERCENT VOLATILE BY VOLUME: Negligible
 SOLUBILITY IN WATER: Insoluble
 FORM: Viscous liquid
 APPEARANCE: Clear fluid
 COLOR: Straw/Amber
 ODOR: Petroleum odor

SECTION III — HAZARDOUS COMPONENTS

MATERIALS: Non-hazardous refined mineral oil
 CAS No.: 72623-85-9, 84741-88-4, 84742-52-5
 CLASSIFICATION: Non-hazardous
 APPROXIMATE %: 100

SECTION IV — HAZARDOUS REACTIVITY DATA

STABILITY: Material is stable. However, avoid open flames and
 high temperatures.
 INCOMPATIBILITY: Strong oxidizing agents such as chromic
 acid, hydrogen peroxide or bromine.
 DECOMPOSITION: Upon combustion, CO₂ and CO are
 generated.
 POLYMERIZATION: Will not occur

SECTION V — FIRE AND EXPLOSION DATA

FLASH POINT: 485° degrees F (257° degrees C) CCC
 FLAMMABLE LIMITS IN AIR (% BY VOLUME): Upper - N/A
 Lower - N/A
 AUTOIGNITION TEMPERATURE: Not determined
 AUTODECOMPOSITION TEMPERATURE: N/A
 FIRE AND EXPLOSION HAZARDS: N/A
 EXTINGUISHING MEDIA: Drychemical or regular foam
 SPECIAL FIREFIGHTING INSTRUCTIONS: Fight as a Class B
 fire. Wear self contained breathing apparatus (SCBA). Water
 spray is an unsuitable extinguishing agent (solid streams
 likely to spread fire).

SECTION VI — HEALTH HAZARD DATA

PRINCIPLE HEALTH HAZARDS (including significant routes,
 effects, symptoms of overexposure and medical
 conditions aggravated by exposure):
 Inhalation of vapor in high concentration can cause
 headache. Minimal external irritation, minimal
 gastrointestinal, slightly toxic.
 CARCINOGENICITY: Not listed as carcinogen by IARC,
 NTP, OSHA, ACGIH
 EXPOSURE LIMITS: PEL (OSHA): 5 mg/m³
 TLV (ACGIH): N/A

* TLV is a Registered Trademark of the American
 Conference of Governmental Industrial Hygienists.

SAFETY PRECAUTIONS: Avoid breathing vapors and liquid
 contact with skin or eyes. Use with sufficient ventilation to
 keep employee exposure below recommended limits.

FIRST AID:
 (IF HIGH CONCENTRATIONS ARE INHALED):
 None normally required.

IN CASE OF SKIN CONTACT: Thoroughly wash exposed area
 with soap and water. Remove contaminated clothing. Launder
 contaminated clothing before reuse.

IN CASE OF EYE CONTACT: Immediately flush with large
 quantities of water for 15 minutes. Contact physician.

IF SWALLOWED: Contact physician immediately. Do not induce
 vomiting (has laxative effect).

NOTE TO PHYSICIAN: None

SECTION VII — PROTECTION INFORMATION

GENERALLY APPLICABLE CONTROL MEASURES:
 General ventilation is adequate. No special precautions
 needed for standard manufacturing procedures.

PERSONAL PROTECTIVE EQUIPMENT:
 Wear oil resistant rubber gloves (PVA, Nitrile, etc.).
 Wear chemical splash goggles where required.
 Wear a protective rubber apron if contact is consistent.

SECTION VIII — DISPOSAL INFORMATION

AQUATIC TOXICITY: N/A
SPILL, LEAK OR RELEASE: Stop any leaks, barricade larger spills. Use inert absorbent material such as diatomaceous earth, sand, clay or vermiculite for cleanup. Comply with Federal, State and local regulations for reporting releases.
WASTE DISPOSAL: Comply with Federal, State and local regulations on waste disposal.

SECTION IX — SHIPPING & TRANSPORTATION DATA

SHIPPING CONTAINERS: N/A
STORAGE CONDITIONS: Avoid exposure to heat and flame. Protect against eyes and skin contact. Wash thoroughly after handling.
Regulated by DOT: X
Regulated by DOT:
Hazardous Material Emergency Information _____
Proper Shipping Name: N/A
DOT Hazard Class: N/A
PLC / Placard: N/A
DOT Label Required: N/A
Reportable Quantity: N/A
Identification No.: N/A
Freight Classification: Petroleum Oil NOIBN
Special Transportation Notes: N/A

SECTION X — ADDITIONAL INFORMATION

NPCA - HMIS RATINGS: Health 1
Flammability 0
Personal Protection -
Reactivity 0
Personal Protection rating to be supplied by user depending on use conditions.
SARA / TITLE III HAZARD CATEGORIES AND LISTS:
Product Hazard Categories:
Chronic Health -
Acute Health -
Fire Hazard -
Pressure Hazard -
Reactivity Hazard -
List:
Extremely Hazardous Substance -
CERCLA Hazardous Substance -
Toxic Chemicals -
Product manufacture MSDS on file.
DATE OF LATEST REVISION/REVIEW: 03/09/89
PERSON RESPONSIBLE FOR MSDS:
B-V Associates
Paul G. Tietze
49540 Martin Drive
Wixom, MI 48098
(212) 605-3908

COMMENTS:

Origin: MSDS from vendor (Wilco) on file for Suniso 5GS oil.

Signature Arthur G. Hobbs Jr. Title Product Manager

Revision Date: 08/07/89

Supersedes _____

Sent to ATT^n _____ Date _____

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