

MATERIAL SAFETY DATA SHEET

Refrigeration Oil

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:

Chemtec - (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 eye and skin contact. Wash thoroughly after handling.

Unregulated by DOT: X

Regulated by DOT:

Hazardous Emergency Information

Proper Shipping Name: N/A

DOT Hazard Class: N/A

DOT 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

NFPA - 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

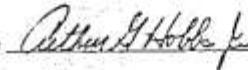
Wixom, MI 48098

(212) 605-3908

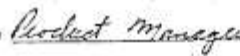
COMMENTS:

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

Signature



Title



Revision Date: 08/07/89

Supersedes

Sent to ATTACH

Date

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