



MATERIAL SAFETY DATA SHEET

PRODUCT: NATIONAL 150 REFRIGERATION OIL
PRODUCT CODE: 150 OIL
CHEMICAL NAME/FAMILY: MINERAL OIL (CAS # 64742-52-5)

HMIS: H F R
1 1 0

MANUFACTURER: NATIONAL REFRIGERANTS, INC.
ADDRESS: 11401 Roosevelt Boulevard Phila., Pa. 19154
INFORMATION: 800-262-0012
DATE: 9/03

EMERGENCY: 800-424-9300
PREPARER: Ray Madariaga

INGREDIENTS/HAZARDOUS/SARA TITLE III INFORMATION

Distillates, (petroleum), hydrotreated heavy naphthenic Concentration 100%

HAZARDOUS COMPONENTS	CAS NUM	PEL	TLV	mm Hg @ TEMP
NONE				

* Indicates toxic chemical subject to the reporting requirements of 40CFR372 and Title III Section 313.

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >500°F
SPECIFIC GRAVITY (H₂O=1): 0.91 @ 15.6°C
VAPOR DENSITY: >10 (AIR=1)
EVAPORATION RATE: NEGLIGIBLE
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: Clear amber liquid with petroleum odor
VISCOSITY: 155 SUS @ 100°F

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >300°F (ASTM D-92) FLAMMABLE LIMITS IN AIR (VOL) LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: Dry chemical, CO₂, foam, waterfog, sand/earth
SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus. Water spray is an unsuitable extinguishing agent.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

REACTIVITY DATA

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: NONE
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents such as chromic acid, hydrogen peroxide and bromine.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Upon combustion, CO₂ and CO are generated.



HEALTH HAZARD DATA

INHALATION AND SKIN ABSORPTION HEALTH RISKS: OSHA permissible concentration of mineral oil mist in air is 5 mg/m³.

SKIN AND EYE CONTACT: Prolonged contact may cause minor skin irritation.

SYMPTOMS OF EXPOSURE: N/A

INGESTION: N/A

ACUTE AND CHRONIC HEALTH HAZARDS: N/A

CARCINOGENICITY:	NTP	IARC MONOGRAPHS	OSHA REGULATED
	NO	NO	NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with large amounts of water for at least 15 minutes. If redness or irritation persists, contact a physician.
SKIN CONTACT: Wash with soap and water.
INHALATION: None normally required.
INGESTION: Call a physician.

PRECAUTIONS/CONTROL MEASURES FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Stop leak. Dike up large spills. Use inert absorbant materials such as earth, sand or vermiculite for clean-up.

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State, and Local regulations.

PRECAUTIONS FOR STORAGE AND HANDLING: Avoid exposure to heat and flames. Protect against eye and skin contact.

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling.

DISCLAIMER

INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AT THE TIME OF PREPARATION. NO WARRANTY IS MADE CONCERNING THE ACCURACY AND NO LIABILITY SHALL BE MADE FOR CLAIMS FOR USE OR RELIANCE OF THE RECOMMENDATIONS CONTAINED HEREIN.