



SAFETY DATA SHEET

WF32 OIL

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT: NRI MINERAL OIL

PRODUCT CODE: WF32

CHEMICAL NAME/FAMILY: REFRIGERANT OIL

OTHER NAME: Mineral Oil

MANUFACTURER / DISTRIBUTOR: NATIONAL REFRIGERANTS, INC.

ADDRESS: 11401 Roosevelt Boulevard Phila., Pa. 19154

INFORMATION: 800-262-0012

EMERGENCY: 800-424-9300

DATE: 4/2018

PREPARER: Matt Callahan

2. HAZARD IDENTIFICATION

CLASSIFICATION: Not classified according to 29 CFR 1910.1200 (2012)

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

3. COMPOSITION/ INFORMATION ON INGREDIENTS

<u>Ingredient Name(s)</u>	<u>CAS Number</u>	<u>Range in %</u>
Hydrotreated light naphthenic petroleum Distillates	64742-53-6	65.00-79.99
Acid treated heavy naphthenic petroleum Distillates	64742-18-3	35.00-49.99

Common Names and Synonyms:

Lubricating Oil

There are no stabilizers or impurities that contribute to the classification of the material identified in section 2

4. FIRST AID MEASURES

EYES: Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

SKIN: Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.



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INHALATION: If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

INGESTION: If more than several mouthfuls of this material are swallowed, give two glasses of water (16oz.). Get medical attention.

OTHER INSTRUCTIONS: Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, foam, dry chemical or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Wear full protective clothing and positive pressure breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

7. HANDLING AND STORAGE

PRECAUTIONS FOR STORAGE AND HANDLING: Periods of exposure to high temperatures should be minimized. Water contamination should be avoided. Minimum feasible handling temperatures should be maintained. Keep containers in upright and closed position when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Adequate to meet occupational exposure limits (see below).

Personal Protective Equipment



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Eye / Face Protection:

Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

Skin Protection:

Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry- cleaned.

Respiratory Protection:

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Exposure Limit for Total Product:

Mineral oil mist: OSHA PEL - TWA 5mg/m³; ACGIH TLV - TWA 5mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear yellow liquid
ODOR:	Bland odor
ODOR THRESHOLD:	No data available
PH:	Not applicable
MELTING POINT/FREEZING POINT:	Not applicable
BOILING POINT:	315°C (599°F)
EVAPORATION RATE:	No data available
FLAMMABILITY:	Not applicable
FLASH POINT: COC METHOD	164°C (327°F) minimum
LEL/UEL:	Not applicable
VAPOR PRESSURE:	<0.01 mmHg @ 37.8°C (100°F)
VAPOR DENSITY: (Air =1)	>1
RELATIVE DENSITY: (Water =1)	0.91
SOLUBILITY:	Soluble in hydrocarbons; insoluble in water
PARTITION COEFFICIENT	
n-Octanol/water:	No data available
AUTO IGNITION TEMPERATURE:	No data available
DECOMPOSITION TEMPERATURE:	No data available
VISCOSITY:	28 cSt @ 40°C (104°F) minimum

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: May react with strong oxidizing materials.

Comments: None



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Products Evolved When Subjected to Heat or Combustion: Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

Hazardous Polymerizations: Do Not Occur

11. TOXICOLOGICAL INFORMATION

Toxicological Information (Animal Toxicity Data)

Median Lethal Dose

Oral: LD50 believed to be > 5.00 g/kg (rat) practically non-toxic

Inhalation: Not determined.

Dermal: LD50 believed to be > 3.00 g/kg (rabbit) practically non-toxic

Irritation Index, Estimation of Irritation (Species)

Skin: (Draize) believed to be > .50 - 3.00 / 8.0 (rabbit) slightly irritation

Eyes: (Draize) believed to be < 15.00 / 110 (rabbit) no appreciable effect

Sensitization:

Not determined.

Other:

Some low viscosity naphthenic oils have caused skin irritation and skin tumors in laboratory animals when repeatedly applied and left in place between applications. The significance of this effect to humans has not been established.

POTENTIAL HEALTH EFFECTS

	Eye	Skin	Inhalation	Ingestion
Primary Route of Exposure:	<u>X</u>	<u>X</u>	<u>X</u>	--

EFFECTS OF OVEREXPOSURE

Acute:

Eyes: May cause minimal irritation, experienced as temporary discomfort.

Skin: Brief contact may cause slight irritation. Prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort, seen as local redness and swelling. Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact; see other effects below, and section 11 for information regarding potential long term effects.

Inhalation: Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.



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Ingestion: If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

Sensitization Properties: Unknown.

Chronic: No adverse effects have been documented in humans as a result of chronic exposure. Section 11 may contain applicable animal data.

Medical Conditions Aggravated by Exposure: Because of its irritating properties, repeated skin contact may aggravate an existing dermatitis (skin condition).

12. ECOLOGICAL INFORMATION

None Available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose of in accordance with Federal, State, and Local regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

14. TRANSPORTATION INFORMATION

DOT: Not Regulated

15. REGULATORY INFORMATION

FEDERAL REGULATIONS:

SARA Title III:

Section 302/304 Extremely Hazardous Substances

None

Section 313 Toxic Chemical

None

Section 311 Hazardous Categorization:

Acute	Chronic	Fire	Pressure	Reactive
N/A				
<u>X</u>	—	—	—	—

TSCA Inventory Status:

This product is listed on the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.



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State Regulations:

California Proposition 65:

The following detectable components of this product are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity. **None**

16. OTHER INFORMATION

HMIS		NFPA	
Health: 1	Reactivity: 0	Health: 1	Reactivity: 0
Flammable: 1	Special: --	Flammable: 1	Special: --

DISCLAIMER:

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