



# 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:** 01/2024

**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.



# SAFETY DATA SHEET      **WF32 OIL**

**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**



# SAFETY DATA SHEET

# WF32 OIL

**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/m<sup>3</sup>; ACGIH TLV - TWA 5mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Incompatibility:** May react with strong oxidizing materials.

**Comments:** None



# SAFETY DATA SHEET

# WF32 OIL

**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
<b>Primary Route of Exposure:</b>	<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.



# SAFETY DATA SHEET

# WF32 OIL

**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.



# SAFETY DATA SHEET

# WF32 OIL

## 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**

<b>16. OTHER INFORMATION</b>
------------------------------

<b>HMIS</b>		<b>NFPA</b>	
Health: 1	Reactivity: 0	Health: 1	Reactivity: 0
Flammable: 1	Special: --	Flammable: 1	Special: --

## 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