



# SAFETY DATA SHEET

# VPO

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**PRODUCT:** NATIONAL VACUUM PUMP OIL  
**PRODUCT CODE:** VPO  
**CHEMICAL NAME/FAMILY:** PETROLEUM LUBRICATING OIL  
**OTHER NAME:** VACUUM PUMP OIL  
**MANUFACTURER:** 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 or eye irritation. If swallowed can enter lungs and cause damage.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS#</u>	<u>WEIGHT</u>
Base Oils	See Below	>99%
*no hazardous ingredients		

The Base Oil may contains one or more of the following ingredients: 61788-76-9, 64741-88-4, 64742-01-4, 64742-65-0, 64741-89-5, 64742-48-9, 64742-52-5, 64742-54-7, 64742-56-3, 64742-55-8

### COMMON NAMES AND SYNONYMS

Vacuum Pump 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 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.



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**INHALATION:** If inhaled move to fresh air.

**INGESTION:** Do not induce vomiting. Get medical attention

**NOTE TO PHYSICIAN:** No specific treatment. Contact Poison Treatment Center if large amounts have been ingested or inhaled

## **5. FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Dry chemical, CO<sub>2</sub>, 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

## **6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL:** Stop leak. Dike up large spills. Use inert absorbent materials such as earth, sand or vermiculite for clean-up. Use personal protective equipment such as gloves, goggles, and coveralls to prevent contact with skin during clean up.

## **7. HANDLING AND STORAGE**

**PRECAUTIONS FOR STORAGE AND HANDLING:** Avoid exposure to heat and flames. Protect against eye and skin contact. Store containers in an upright and secure position to prevent spills and protect against damage. Prohibit smoking, eating, or drinking in areas where material is handled

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **ENGINEERING CONTROLS**

Provide adequate ventilation when working in confined areas

### **PERSONAL PROTECTIVE EQUIPMENT**

#### **SKIN PROTECTION:**

General work clothing and gloves (leather) should provide adequate protection. Any contaminated clothing should be promptly removed and washed before reuse.

#### **EYE PROTECTION:**



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For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear chemical safety goggles.

## RESPIRATORY PROTECTION:

None generally required for adequately ventilated work situations. For accidental release or non-ventilated situations, or release into confined space, where the concentration may be above the PEL use a NIOSH approved respirator.

## ADDITIONAL RECOMMENDATIONS:

Where contact with liquid is likely, such as in a spill or leak, impervious boots and clothing should be worn.

## EXPOSURE LIMITS

OSHA permissible concentration of mineral oil mist in air is 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Clear amber liquid
ODOR:	Petroleum odor
ODOR THRESHOLD:	Not determined
PH:	Neutral
MELTING/FREEZING POINT:	-12°C (10.4°F)
BOILING POINT:	>500°F
FLASH POINT: COC METHOD	148°C (298.4°F)
EVAPORATION RATE:	Negligible
FLAMMABILITY:	Not applicable
LEL/UEL:	Not applicable
VAPOR PRESSURE:	<0.013 kPa (<1 mmHg) at 25°C
VAPOR DENSITY:	>1.0 (air=1)
RELATIVE DENSITY:	0.86 @ 15.6 °C
SOLUBILITY:	Insoluble in water
PARTITION COEFFICIENT n-Octanol/water:	>6
AUTO IGNITION TEMPERATURE:	Not determined
DECOMPOSITION TEMPERATURE:	Not determined
VISCOSITY:	Not Determined

## **10. STABILITY AND REACTIVITY**

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: NONE



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**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents such as chromic acid, hydrogen peroxide and bromine.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Upon combustion, CO<sub>2</sub> and CO are generated.

## 11. TOXICOLOGICAL INFORMATION

**INHALATION AND SKIN ABSORPTION HEALTH RISKS:** No known significant effects or hazards. OSHA permissible concentration of mineral oil mist in air is 5 mg/m<sup>3</sup>.

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

**SYMPTOMS OF EXPOSURE:** N/A

**INGESTION:** Aspiration hazard if swallowed. Can enter lungs and cause damage

**ACUTE AND CHRONIC HEALTH HAZARDS:** N/A

<b>CARCINOGENICITY:</b> NTP	IARC MONOGRAPHS	OSHA REGULATED
NO	NO	NO

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N/A

## 12. ECOLOGICAL INFORMATION

No known significant or critical effects

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORTATION INFORMATION

US DOT ID NUMBER:	None
US DOT PROPER SHIPPING NAME:	None
US DOT HAZARD CLASS:	None
US DOT PACKING GROUP:	None

## 15. REGULATORY INFORMATION



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The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

## Federal Regulatory Status

### Notification Status

EINECS	All components listed or polymer exempt.
TSCA	All components listed.
DSL	All components listed.

### SARA Hazard Categories (311/312)

No SARA 311/312 Hazards.

## State Regulatory Status

### California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. OTHER INFORMATION

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## DISCLAIMER

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