



# SAFETY DATA SHEET

## 500 OIL

### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**PRODUCT:** NATIONAL 500 REFRIGERATION OIL

**PRODUCT CODE:** 500 OIL

**CHEMICAL NAME/FAMILY:** MINERAL 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 irritation.

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

| <u>INGREDIENT</u>  | <u>CAS#</u> | <u>WEIGHT</u> |
|--|-------------|---------------|
| Distillates, (petroleum), hydrotreated heavy naphthenic<br>*no hazardous ingredients | 64742-52-5  | 100%          |

#### COMMON NAMES AND SYNONYMS

Mineral 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.

**INHALATION:** None normally required.

**INGESTION:** Call a physician.



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### 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.

### 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:**

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.



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### 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:                   | Not determined      |
| BOILING POINT:                            | >500 F              |
| FLASH POINT:                              | >300 F              |
| EVAPORATION RATE:                         | Negligible          |
| FLAMMABILITY:                             | Not applicable      |
| LEL/UEL:                                  | Not applicable      |
| VAPOR PRESSURE:                           | <0.1kPa at 20°C     |
| VAPOR DENSITY:                            | >10 (air=1)         |
| RELATIVE DENSITY:                         | 0.81 – 0.89 at 20°C |
| SOLUBILITY:                               | Insoluble in water  |
| PARTITION COEFFICIENT<br>n-Octanol/water: | log pow > 6         |
| AUTO IGNITION TEMPERATURE:                | Not determined      |
| DECOMPOSITION TEMPERATURE:                | Not determined      |
| VISCOSITY:                                | 105 cSt @ 40°C      |

### **10. STABILITY AND REACTIVITY**

**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, CO<sub>2</sub> and CO are generated.

### **11. TOXICOLOGICAL INFORMATION**

**INHALATION AND SKIN ABSORPTION HEALTH RISKS:** 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 irritation.



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**SYMPTOMS OF EXPOSURE:** N/A

**INGESTION:** N/A

**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 data available

### 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

This material is not a hazardous waste under RCRA Regulation 40 CFR 261.

### 16. OTHER INFORMATION

|       |   |   |   |
|-------|---|---|---|
| HMIS: | H | F | R |
|       | 1 | 1 | 0 |

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