

# MSDS Information

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## Section 1. CHEMICAL PRODUCT SECTION

Product Name: Vacuum Pump Oil  
Product: #2200  
Date Prepared: 01-2008

Manufacturer: FJC

P. O. Box 499  
101 Commercial Drive  
Mooresville, NC 28115  
PH: 04-664-3587  
FAX: 04-664-5522

**For Chemical Emergency**  
Call INFOTRAC – 24 Hour Number  
**1-800-535-5053**  
Outside of United States  
Call 24 Hour Number  
**1-352-323-3500**

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## Section 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient (s)	CAS Number	(by weight)
Highly refined paraffinic petroleum oil	64741-89-5	98%
Petroleum Additives	64741-88-4	2%
VOC Content Percentage		
Not Applicable		

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## Section 3. HAZARD IDENTIFICATION

Routes of Entry  
Skin Contact

Target Organs:  
Skin

Irritancy:  
This product can cause mild transient, eye irritation with short-term contact with liquids or sprays

Reproductive Effects:  
Not applicable

Cancer Information:

This product does not contain any components at concentrations above 0.1% that are considered carcinogenic by OSHA, IARC, or NTP.

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**Section 4: FIRST AID MEASURES**

Eyes:

Check for and remove contact lenses. Flush eyes with cool, clean, low-pressure water while occasionally lifting and lowering eyelids. Seek medical attention if excessive tearing, redness, or pain persists.

**Skin:** Remove contaminated shoes and clothing, wipe off excess material. Wash exposed skin with soap and water. Seek medical attention if tissue appears damaged or if irritation persists. Thoroughly clean contaminated clothing before reuse. Discard contaminated leather goods.

Swallowing:

Do not induce vomiting unless directed by a physician. Do not give anything to drink unless directed to by a physician. Never give anything by mouth to a person who is not fully conscious. Seek medical attention immediately.

Inhalation:

Move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If breathing is difficult, a qualified individual should administer 100 percent humidified oxygen. Seek medical attention immediately. Keep the affected individual warm and at rest.

Injection:

Injection of pressurized hydrocarbons can cause severe, permanent tissue damage. Initial symptoms may be minor. Injection of petroleum, hydrocarbons requires immediate medical attention.

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**Section 5. FIRE FIGHTING MEASURES**

Flash Point, °C (°F):

>176°C (367°F)

Flammable limits (% by volume):

LOWER: No data

UPPER: No data

Extinguishing Media:

Use dry chemical, foam, carbon dioxide or water fog

Special Fire Fighting Procedures:

Not Applicable

Autoignition Temperature:

Not Applicable

Explosion Data:

Not Applicable

NFPA Rating:

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY:

0

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## Section 6

## ACCIDENTAL RELEASE MEASURES

Spill Procedures:

Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Slipping hazard – do not walk through spilled material. Stop leak if you can do so without risk.

Small Spills:

Absorb or cover with dry earth, sand, or other inert non-combustible absorbent material and place into waste containers for later disposal.

Large Spills:

Contain spill to maximize product recovery or disposal. Prevent entry into waterways or sewers. In urban area, cleanup spills as soon as possible. In natural environments, seek cleanup advice from specialists to minimize physical habitat damage. This material will float on water. Absorbent pads and similar materials can be used. Comply with all laws and regulations.

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## Section 7

## HANDLING AND STORAGE

Avoid water contamination and extreme temperatures to minimize product degradation. Keep container closed. Do not store with strong oxidizing agents. Do not store at temperatures above 120°F or in direct sunlight for extended periods of time.

Empty containers may contain product residues that can ignite with explosive force. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Consult appropriate federal, state, and local authorities before reusing, reconditioning, reclaiming, recycling, or disposing of empty containers and/or waste residues of this product.

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## Section 8

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### Eye Protection

Safety glasses equipped with side shields should be adequate protection under most conditions of use. Wear goggles and/or face shield if splashing or spraying is likely, especially if material is heated above 125°F (or 51° C). Have suitable eye wash water available.

### Skin Protection

Use gloves constructed of chemical resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. Use heat protective gloves when handling product at elevated temperatures.

### Respiratory Protection

Vaporization or misting is not expected at ambient temperatures. Therefore, the need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134)

### Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentration or mists and/or vapors below the recommended exposure limits. An eye wash station and safety shower should be located near the workstation.

### Clothing Recommendation

Avoid prolonged and/or repeated skin contact, especially after this product has been used. If splashing or spraying is expected chemical-resistant (Tyvek®, nitrile or neoprene) clothing should be worn. This might include long-sleeves, apron, slicker suit, boots and additional facial protection. If general contact occurs, promptly remove soaked clothing and take a shower.

### Other Comments

Use good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, use of restroom or leaving work. DO NOT use gasoline, kerosene, solvents, or harsh abrasives as skin cleaners. Since standards/control limits have not been established for this product, the exposure limits shown below are suggested as minimum control guidelines.

## Exposure Guidelines

Applicable workplace exposure levels

TWA: 5 STEL; 10 (MG/M<sup>3</sup>) FROM ACGIH (TLV)

TWA: 5 (mg/M<sup>3</sup>) from OSHA (PEL)

TWA: 5 STEL; 10 (mg/M<sup>3</sup>) from NIOSH

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## Section 9

## PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Light amber to amber liquid

### Odor

Mild petroleum odor

### PH:

Not Applicable

### Vapor Pressure, mm Hg (25° C)

<0.0001

### Vapor Density

17 + (Air = 1)

### Melting Point

Not Available

### Boiling Point, 760 mm Hg, °C

Not Available

### Solubility in Water

Insoluble in cold water

### Specific Gravity

0.86-0.89 ( Water = 1)

### Evaporation Rate

Not Applicable

### Viscosity 40°C (100°C)

20 to 165 cSt @ 40°C

Molecular Weight  
Not Applicable  
Percent Volatile  
Negligible volatility

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## **Section 10**

## **STABILITY AND REACTIVITY**

Stability  
Stable

Incompatibility  
Strong oxidizers

Polymerization  
Not expected to occur

Thermal Decomposition  
CO<sub>2</sub>, CO, smoke, fumes, unburned hydrocarbons and trace oxides of sulfur, nitrogen, phosphorus, and zinc

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## **Section 11**

## **TOXICOLOGICAL INFORMATION**

Eye Irritation  
This product can cause mild, transient, eye irritation with short-term contact with liquid or sprays.

Dermal Irritation  
This material can cause mild, transient skin irritation with short-term exposure.

Inhalation Toxicity  
No significant adverse health effects are expected to occur upon short-term exposure to this product. Aspiration of liquid into the lungs can cause severe lung damage or death.

Ingestion Irritation  
If swallowed, no significant adverse health effects are anticipated. Ingestion can cause mild irritation to the digestive tract or cause a laxative effect.

Injection Sensitation  
Injection under the skin, in muscle, or into the blood stream can cause irritation, inflammation, swelling, fever, and systemic effects and mild central nervous system depression. Injection of pressurized hydrocarbons can cause severe,

permanent tissue damage. Initial symptoms may be minor. Injection of petroleum hydrocarbons requires immediate medical attention.

**Chronic Exposure Symptoms**

Prolonged or repeated contact is toxic in lungs, digestive system, skin, and eyes.

**Other Remarks**

LD50 and LC50 NOT AVAILABLE. Classified 3 (animal inadequate evidence) for mildly refined additive (<1%); classified 1 (proven for human) by IARC for severely refined additive <1%)

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**Section 12**

**ECOLOGICAL INFORMATION**

No Data Available

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**Section 13**

**DISPOSAL CONSIDERATION**

**Waste Management Information**

It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal. Determine compliance status with all applicable requirements prior to disposal.

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**Section 14**

**TRANSPORTATION INFORMATION  
(DOT (Department of Transportation))**

**Proper Shipping Name**

Petroleum lubricating oil

**Hazard Class**

Not a DOT controlled material (United States)

**Hazard Identification Number**

Not Applicable

**DOT Placard**

Not Applicable

**Compatibility Category**

Not Applicable

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## **Section 15**

## **REGULATORY INFORMATION**

### **SARA Section 313 – Toxic Chemicals**

This product does not contain toxic chemicals under SARA Section 313 and 40 CFR Part 372

### **SARA Section 311 – Hazard Categories**

This product may meet one or more of the criteria for the hazard categories defined in 40 CFR Part 370 as established by Sections 311 and 312 of SARA as indicated below:

- No Immediate (Acute) Health Hazard
- No Delayed (Chronic) Health Hazard
- No Fire Hazard
- No Sudden Release or Pressure Hazard
- No Reactive Hazard

### **SARA Section 302 – Extremely Hazardous Waste**

This product is not known to contain any components in concentrations greater than one percent that are listed as Extremely Hazardous Substances in 40 CFR Part 355 pursuant to the requirements of Section 302 (a) of SARA.

### **Clean Water Act (CWA)**

Under the CWA, discharges of crude oil and petroleum products to surface water without proper Federal and State permits must be reported immediately to the National Response Center at (800) 424-8802.

### **Cercla Hazardous Substances**

As defined by CERCLA, the term “hazardous substance” does not include petroleum, including crude oil or any fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance.

### **U.S. TSCA Inventory**

All components of this material are on the U.S. TSCA Inventory or are not required to be listed on the U.S. TSCA Inventory

### **California Proposition 65**

This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

### **New Jersey Right-To-Know Label**

Petroleum oil.

### **Additional Regulatory Remarks**

None

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## Section 16

## OTHER INFORMATION

The information in this material Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information was prepared for the guidance of plant engineering operations and management and for persons working with or handling this product.

To the best of our knowledge, the information contained herein is accurate. **However, neither FJC nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.** Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.