

# MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Mineral Oil  
MSDS NO. 6912-6  
Revision Date: 08/13/2008  
Date Printed: 12/30/2008

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Mineral Oil  
Chemical Family: Refrigeration Oil  
Synonyms: None  
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300

Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	OSHA TWA	OSHA STEL	OSHA SKIN
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	95-100	Not Listed	Not Listed	Not Listed

Component	Weight %	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	95-100	2000 mg/m <sup>3</sup> 500 ppm	1600 mg/m <sup>3</sup> 400 ppm	Not Listed

Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	Not Listed	Not Listed	Not Listed

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Prolonged or repeated skin contact may cause skin irritation. Primary Route of entry is Skin. Tests on similar materials suggest that no eye or skin short-term exposure effects are expected. Personnel with pre-existing skin disorders should avoid contact with this product. Tests on similar materials indicate no significant adverse effects expected by ingestion. This material is practically non-toxic. Harmful or fatal if liquid is aspirated into lungs.

**HMIS Classification:** Health: 1 Flammability: 1 Physical Hazard: 0  
**NFPA Rating:** Health: 1 Flammability: 1 Reactivity: 0

## 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical attention if irritation persists.

**Ingestion:** Product is practically non-toxic. DO NOT INDUCE VOMITING. Give nothing by mouth. Seek immediate medical attention.

**Inhalation:** Not a hazard under normal use conditions. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation: administer oxygen, if available. If overexposed to oil mist, remove from exposure until excessive oil mist condition subsides.

**Skin Contact:** Wash with soap and water. Remove contaminated clothing and shoes, and launder before reuse. If product is injected into or under the skin, or into any part of the body, the individual should be evaluated immediately by a physician as a surgical emergency.

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## 5. FIRE FIGHTING MEASURES

### Flammable Properties

Flash Point °F(°C): >400 F  
Flash Point Method: TAG Closed Cup  
Flammable Limits in Air - Lower (%): Not Determined  
Flammable Limits in Air - Upper (%): Not Determined  
Autoignition Temperature °F(°C): > 650 F  
Extinguishing Media: Foam. Water fog. Dry chemical. Carbon dioxide. Use water spray to keep containers cool that are exposed to heat or flames.

### Protection Of Fire-Fighters:

Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing.  
Hazardous Combustion Products: Fumes and Smoke. Carbon Monoxide. Aldehydes and other decomposition products, in the case of incomplete combustion.

Aerosol Comments: Not Applicable

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact.  
Spill Procedures: Contain any liquid from leaking containers. Wear protective equipment specified. Only trained and qualified personnel should handle any spilled or leaked product.  
Action to be taken if material is released or spilled: Recover free product. Add sand, earth, or other suitable absorbent to spill area. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas. Assure conformity with applicable governmental regulations.  
Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

## 7. HANDLING AND STORAGE

Handling and Storage: Keep container closed when not in use. Keep away from heat and open flame. Empty oil containers can contain explosive vapors. NFPA Class III B storage. Wash thoroughly with soap and water after handling. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Contaminated disposable clothing should be discarded in accordance with local, state and federal rules.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use local exhaust. Eyewash stations.  
Eyes: Wear safety glasses or goggles to protect against exposure.  
Skin Protection: Use chemical resistant gloves for prolonged skin contact. Neoprene coated apron or clothing. Nitrile coated apron or clothing. PVC coated apron or clothing. Viton.  
Respiratory Protection: Use local exhaust to capture vapor, mists or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup explosive concentrations of vapor in air. No smoking, or use of flame or other ignition sources.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless to light yellow liquid  
Odor: MILD PETROLEUM  
pH Value: Essentially neutral  
Vapor Pressure: <.0001 mm Hg @ 20 C  
Vapor Density (Air=1): >5  
Boiling Point (°F): >630 F  
Melting/Freezing Point: Not determined.  
Solubility in Water: NEGLIGIBLE  
Bulk Density at 20°C: Not Determined  
Molecular Weight: 420  
Specific Gravity (H2O=1): .91  
Viscosity: 515 SUS @ 100 F (9.0 cSt @ 100 C)

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Evaporation Rate: 1000 x slower than ethyl ether  
VOC Content(%): <1 %  
Decomposition Temperature: Not Known

## 10. STABILITY AND REACTIVITY

Chemical Stability: STABLE.  
Conditions to Avoid: Keep away from heat, sparks and flame. Avoid any source of ignition.  
Materials to Avoid: Strong oxidizers such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc. , as this presents a serious explosion hazard.  
Hazardous Decomposition Products: Carbon monoxide. and other asphxians.  
Hazardous Polymerization: WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

### Toxicological Data:

Component	Route	Species	Dose
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	NA	NA	Not known.

### Carcinogenicity:

Component	IARC	NTP	OSHA
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

Remarks: Ecological testing has not been conducted on this product.

## 13. DISPOSAL CONSIDERATION

Waste Classification: This product is not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined.  
Waste Management: Not determined.  
Disposal Method: Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

### U.S. DOT:

Proper Shipping Name: Not Regulated  
Hazard Class: Not Applicable  
UN/NA Number: Not Applicable  
DOT Packing Group: Not Applicable

### IMDG:

Proper Shipping Name: Not Regulated  
Hazard Class: Not Applicable  
Hazard Subclass: Not Applicable  
UN No.: Not Applicable  
Packing Group: Not Applicable  
Marine Pollutant: No

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## 15. REGULATORY INFORMATION

**US Federal Regulations:**

Component	SARA 313	SARA 302	TPQ	RQ
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	Not Listed	Not Listed	Not Listed	Not Listed

**SARA 311/312 Hazard Categories:** Not Determined.

**State Regulations:**

Component	California Prop. 65 Cancer list	California - Prop 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	Not Listed	Not Listed	Not Listed	Not Listed

**U.S. TSCA:** The components of this product are listed on the TSCA Inventory.  
**Canadian Inventory:** The components of this product are listed on the Canadian DSL or NDSL Inventory.

**Consumer Product Safety Improvement Act of 2008 General Conformity Certification**

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

## 16. OTHER INFORMATION

**General Notes:**  
**Disclaimer:**

Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system. The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.