

MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Vacuum Pump Oil
MSDS NO. 6915 FOUR SEASONS PN: 59091 / 209508
Revision Date: 01-10-2012

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Vacuum Pump Oil
Chemical Family: PETROLEUM HYDROCARBON 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

Ingredient/CAS No.	wt. %	OSHA PEL TWA	OSHA PEL Ceiling Limits	ACGIH TLV TWA	ACGIH TLV STEL
Hydrotreated middle petroleum Distillates 64742-46-7	20-80	None Established	None Established	None Established	None Established
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	20-80	Not known	Mist 5 mg/m3	TLV Mist 5 mg/m3 8 HR.	Not Known

3. HAZARDS IDENTIFICATION

Emergency Overview: May irritate the skin. This material is an eye irritant. Caution: Combustible.

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: Do Not Induce Vomiting. This material is practically non-toxic if ingested in small amounts (tablespoonful). Swallowing amounts larger may cause injury. Seek medical attention.

Inhalation: Not a hazard under normal use conditions. If inhaled, remove to fresh air. Break an amyl nitrate pearl in a cloth and hold under nose for 15 seconds. Repeat five times at 15 minute intervals. If not breathing give artificial respiration. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and shoes, and launder before reuse. If irritation persists or signs of toxicity occur, seek medical attention. 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.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point °F(°C): >150 F
Flash Point Method: TAG Open Cup
Flammable Limits in Air - Lower (%): Not Determined
Flammable Limits in Air - Upper (%): Not Determined
Autoignition Temperature °F(°C): Not Determined
Extinguishing Media: Foam. Water. Dry chemical.

Protection Of Fire-Fighters:

Special Fire-Fighting Procedures:

Wear approved positive-pressure self-contained breathing apparatus and protective clothing. This product is slightly combustible. If heated above its flash point will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below oil's normal flash point. Keep away from extreme heat or open flame.

Hazardous Combustion Products:

Aerosol Comments: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact.

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Spill Procedures: Contain any liquid from leaking containers.
Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignition.
Increase area ventilation. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials.

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. Avoid contact with skin and eyes. Use only in a well ventilated area. Caution: Combustible.
Keep away from heat and open flame. Keep away from food and smoking materials. Wash hands before eating and smoking. Avoid excessive storage temperature. Avoid contact with vapors from heated material. Evolves toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones when heated to combustion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Showers. Eyewash stations. Use local exhaust.
Eyes: Wear safety glasses or goggles to protect against exposure.
Skin Protection: Use chemical resistant gloves for prolonged skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.
Respiratory Protection: Use in a well ventilated area. Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure or self contained breathing apparatus.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to light yellow liquid	pH Value:	Not Determined
Odor:	MILD PETROLEUM	Vapor Density (Air=1):	Not Determined
Vapor Pressure:	Not Determined	Melting/Freezing Point:	Not determined.
Boiling Point (°F):	>400 F	Bulk Density at 20 °C:	Not Determined
Solubility in Water:	INSOLUBLE	Evaporation Rate:	Not Determined
Molecular Weight:	Mixture	Specific Gravity (H2O=1):	.9 approx.
Viscosity:	Not determined.	Decomposition Temperature:	Not Known
VOC Content(%):	Not determined.		

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE.
Conditions to Avoid: Keep away from heat, sparks and flame. Evolves toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones when heated to combustion.
Materials to Avoid: Contact with oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide. and other asphxiants.
Hazardous Polymerization: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Ingredient/CAS No.	wt. %	Route	Species	Dose
Hydrotreated middle petroleum Distillates 64742-46-7	20-80	Oral	Rats	LD50 >5 g/kg
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	20-80	NA	NA	Not known.

Carcinogenicity:

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Hydrotreated middle petroleum Distillates 64742-46-7	20-80	Not Listed	Not Listed	Not Listed
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	20-80	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

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Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATION

Waste Classification: This product as purchased does not fall under current U.S. EPA RCRA definitions of hazardous waste. Under RCRA it is the generator's responsibility to determine the status of the waste at the time of its disposal. This product does not contain any CERCLA regulated materials.

Waste Management: Not determined.

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 Regulated
UN/NA Number: Not Applicable
DOT Packing Group: Not Applicable

IMDG:

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

15. REGULATORY INFORMATION

US Federal Regulations:

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Hydrotreated middle petroleum Distillates 64742-46-7	20-80	Not Listed	Not Listed	NA	NA
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	20-80	Not Listed	Not Listed	NA	NA

SARA 311/312 Hazard Categories: Not Determined.

State Regulations:

Ingredient/CAS No.	wt. %	California Prop. 65 Cancer list	California Prop. 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Hydrotreated middle petroleum Distillates 64742-46-7	20-80	Not Listed	Not Listed	Not Listed	Not Listed
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	20-80	Not Listed	Not Listed	Not Listed	Not Listed

U.S. TSCA: The components of this product are listed on the TSCA Inventory.

16. OTHER INFORMATION

General Notes: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.
Disclaimer:

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