

1. Chemical Product and Company Identification

Naviguard Vacuum Pump Oils
46, 68, 1030



Windward Petroleum, Inc.
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Manchester, NH 03103
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CAS Registry Number: Not Applicable for mixtures
Chemical Name: Petroleum Hydrocarbon mixture
Preparation/Revision Data: October 2010
Emergency Phone Number: 800-225-8150

2. Composition/Information on Ingredients

Petroleum Severely Refined	CAS 64742-54-7 or 64742-65-0 >95	Mist 5mg/m3
Zinc C1-C14 Alkldithiophosphate	CAS 68649-42-3 <.25%	

3. Hazardous Identification

Principle Hazards:	Eyes:	May cause eye irritation
	Skin Absorbtion:	No acute effects expected
	Skin Contact:	May cause skin irritation
	Inhalation:	May cause respiratory irritation
	Ingestion:	LD 50 not established. Do not ingest

4. First Aid Measures

Oral:	Do not induce vomiting.
Eye:	Flush immediately with water for atleast 15 minutes.
Skin:	Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder containinated clothing before re-use and discard shoes and other leather articles saturated with the material.
Inhalation:	Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists, get medical attention.
Additional:	Note to Physician. Treat symptomatically.

5. Fire Fighting Measures

Flash Point (Typical):	400°F min
Upper Flammable Limit:	Not determined
Lower Flammable Limit:	Not determined
Extinguishing Media:	CO2, dry alcohol like foam, dry chemicals.
Special FireFighting Procedures:	Recommended wearing self contained breathing apparatus.
Unusual Fire & Explosion Hazards:	None
Autoignition Temperature:	Not determined
Explosion Data:	Material does nott have explosion properties.

6. Accidental Release Measures

Spill procedures:	Prevent entry into sewers and waterways. Pickup free liquid for recycling/disposal. Absorb small amounts on inert material for disposal.
Disposal:	Dispose of in accordance with federal, state, and local laws.

7. Handling and Storage

Handling Procedures:	Keep away from potenal sources of ignition. Keep containers closed when not in use. Avoid breathing vapors. Containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark, or other sources of ignition.
Storage Procedure:	Store inside building, away from potential sources of ignition.

8. Exposure control/Personal Protection

Ventilation Procedures:	Use local exhaust ventilation to control mists or vapors. Additional ventilation may be required to maintain air concentrations below recommended exposure limits.
Glove Protection:	Neoprene, Nitrile, or Viton.
Eye Protection:	Chemical goggles or faceshield
Respiratory Protection:	Use NIOSH/MSHA approved full face respirator with an organic vapor cartridge, if the recommended exposure limit is exceeded. Use self contained breathing apparatus for entry into confined space, or for other poorly ventilated areas.
Clothing:	Long sleeve shirt recommended. Do not wear rings, watches or similar apparel that could entrap the material and cause a mild skin reaction.

9. Physical and Chemical Properties

Vapor Pressure:	Not determined
PH:	Not determined
Specific Gravity:	0.881
Water Solubility:	Insoluble
Odor:	Petroleum odor
Appearance:	Amber colored liquid
Boiling Point:	Not determined
Freezing Point:	Not determined

10. Stability and Reactivity

Stability:	Material is stable
Polymerization:	Will not occur
Chemical Incompatibilities:	Incompatible with acids and strong oxidizers.
Thermal Decomposition:	Smoke, carbon monoxide and other products of incomplete combustion.

11. Toxicological Information

Oral Toxicity:	N/A
Eye Irritation:	May cause mild eye irritation
Skin Irritation:	May cause skin irritation. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, defatting, and cracking of the skin.
Respiratory Irritation:	N/A

12. Disposal Considerations

Waste Disposal:	Waste management should be in compliance with federal, state and local laws.
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13. Regulatory Information

US TSCA Inventory:	All components of this material are on the US TSCA inventory
Other TSCA Reg:	None Known
SARA Extremely Hazardous Substance:	This product does not contain greater than 1% of any chemical substance on the SARA Extremely Hazardous Substance list.

14. Other Information

Health-1 Fire-1 Reactivity-0

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