

SDS# VP68-01, VP68-32
Date: November 2015

Total Pages: 5

Vacuum Pump Oil

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Vacuum Pump Oil
Catalog Number: VP68-01, VP68-32
Manufactured by: DiversiTech Corporation
6650 Sugarloaf Parkway
Duluth, GA, 30097
Information Phone No.: 1+678.542.3600
EMERGENCY Phone No.: 1 800.255.3924 Chem-Tel (Chemical Emergencies)
PREPARED BY: V. Leone

SECTION 2. HAZARDOUS IDENTIFICATION

GHS Classification:

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Label Elements:

The product does not require a hazard warning label in accordance with GHS criteria.

Hazard Statement(s)

No known significant effects or critical hazards.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	EINECS No.	% or Range	GHS Classification
Hydrocarbon Petroleum Distillates, heavy Refined paraffinic oil	64742-65-0	265-169-7	100	Not Classified

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

Ingestion: In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

Skin Contact: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the effected person should be sent immediately to a hospital. Do not wait for symptoms to develop. Obtain medical attention even in the absence of apparent wounds.

Eye Contact: Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

4.2. Signs and Symptoms of Exposure:

Inhalation: No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

Ingestion: Low toxicity if swallowed.

Skin Contact: Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/ folliculitis.

Eye Contact: May cause slight irritation to eyes.

Other Information: High-pressure injection under the skin may cause serious damage including local necrosis. Used oil may contain harmful impurities. Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Local necrosis is evidenced by delayed onset of pain and tissue damage a few hours following injection. Ingestion may result in nausea, vomiting and/or diarrhea.

Aggravated Medical Condition: Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Skin.

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SECTION 5. FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media:

Any extinguisher suitable for Class B fires, dry chemical, CO₂, water spray or firefighting foam.

Special Equipment and Precautions for Fire-Fighters:

Firefighters should wear NIOSH/MSHA-approved pressure-demand self-contained breathing apparatus with full face piece and full protective clothing. Isolate area around container involved in fire. Burning fluid may evolve irritating/noxious fumes, smoke carbon monoxide, and minor amounts of sulfur and nitrogen. Water may cause frothing or splattering when used as an extinguishing agent.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid contact with spilled or released material. For guidance on selection of personal protective equipment. See **Exposure Controls/Personal Protection Section** of this MSDS. See **Disposal Considerations Section** for information on disposal. Observe all relevant local and international regulations.

Avoid contact with skin and eyes. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent.

Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin, eyes, and clothing. Keep this and all chemicals out of the reach of children.

Conditions for Safe Storage, Including any Incompatibilities: Store in a dry, cool, well-ventilated area. Empty containers retain residue and can be dangerous. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Empty drums should be consigned to a licensed drum reconditioner. Storage Temperature: 0 - 50 °C / 32 - 122 °F.

Recommended Materials: For containers or container linings, use mild steel or high density polyethylene.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits:

White Mineral Oil:

OSHA: 5 mg/m³, 8hr (oil mist)

ACGIH: 10 mg/m³, 8hr (oil mist)

Appropriate Engineering Controls: Local exhaust is recommended when used in enclosed areas. Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Skin Protection: Neoprene or nitrile gloves recommended to minimize skin contact. Other materials may be used if there is documented evidence of compatibility.

Eye Protection: Safety glasses (ANSI Z87.1) or approved equivalent.

Other Protective Clothing: Neoprene aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating, smoking or using the bathroom.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow liquid
Odor: Petroleum oil odor
Odor Threshold: Not established
pH @ 25°C: Not applicable
Melting Point (Pour Point): Not applicable
Boiling Point: >260°C (176°F)
Flash Point: 165°C (330°F) COC
Freezing Point: Not applicable
Evaporation Rate (Water = 1): >10
Flammable Limits:
LEL: 0.9% by volume
UEL: 7.0% by volume
Vapor pressure (mm Hg): <0.01 mm Hg
Vapor Density (Air = 1): < 5

Viscosity: 6.76 mm²/s @ 100 C
Solubility in water: Insoluble in water
Octanol/Water Partition Coefficient: Not available
Autoignition Temperature: 224 C (COC)
Decomposition Temperature: Not available

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Possibility of Hazardous Reactions: Will not occur.
Conditions to Avoid: Excessive heat; formation of oil mist
Incompatible Materials: Strong oxidizers, strong alkalis, strong acids, and compressed oxygen
Hazardous Decomposition Products: Analogous compounds evolve carbon monoxide, carbon dioxide, and other unidentified fragments when burned.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Inhalation: No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

Ingestion: Not expected to be toxic.

Skin Contact: Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

Eye Contact: May cause slight irritation to eyes.

Other Information: High-pressure injection under the skin may cause serious damage including local necrosis. Used oil may contain harmful impurities. Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Local necrosis is evidenced by delayed onset of pain and tissue damage a few hours following injection. Ingestion may result in nausea, vomiting and/or diarrhea.

Aggravated Medical Condition: Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Skin.

Carcinogenic effects: Product contains mineral oils of types shown to be non-carcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

Teratogenicity/Reproductive toxicity: Not expected to be a hazard.

Mutagenic effects: Not considered a mutagenic hazard.

Numerical Measures of Toxicity:

Acute Oral Toxicity: Not expected to be toxic: LD50 > 5000 mg/kg, Rat

Acute Dermal Toxicity: Not expected to be toxic: LD50 > 5000 mg/kg, Rabbit

Acute Inhalation Toxicity: Not considered to be an inhalation hazard under normal conditions of use.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Aquatic: Not available.

Persistence and Degradability: Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

Bioaccumulative Potential: Contains components with the potential for bioaccumulation.

Mobility in Soil: Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile

Other Adverse Effects: Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone potential or global warming potential.

SECTION 13. DISPOSAL CONSIDERATIONS

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste collection and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or water courses.

Container Disposal: Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand.

Local Legislation: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

SECTION 14. TRANSPORTATION INFORMATION

UN Number: None

UN Proper Shipping Name: None

Transport Hazard Class(es): Packing group: None

Environmental Hazards: Not environmentally Hazardous Substance of Marine Pollutant

ADR/RID Transport Information: Not dangerous for transport under ADR/RID, IMO and IATA/ICAO regulations.

ADR/RID Class: None Allocated

ADR/RID Packing Group: None Allocated

IMDG Hazard Class: None Allocated

IMDG Packing Group: None Allocated

ADNR Class: None Allocated

ADNR Item: None Allocated

IATA Hazard Class: None Allocated

IATA Packing Group: None Allocated

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

EINECS: Not listed.

TSCA: Not listed.

DSL: Not listed.

SARA Hazard Categories (311/312/313) SARA 311/312: No Hazards.

Section 313: Emissions and release reporting may be required for users of this product within the manufacturing sector. This does not apply to service companies.

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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SECTION 16. OTHER INFORMATION:

Revision Summary: All Sections: New GHS Format

SDS DATE REVISED: 11/4/2015

NFPA/HMIS III Ratings: Health: 1 Flammability: 1 Reactivity: 0

Refer to NFPA 704 "Identification of the Fire Hazards of materials" for further information

HMIS III®

Health	1
Flamability	1
Physical Hazard	0
Personal Protection	B

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.