

VAPCO PRODUCTS DIV.

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VACUUM PUMP OIL

HMIS: 1-1-0

NFPA: 1-1-0

Data Sheet: 102
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This Material Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 1: COMPOSITION / INFORMATION ON INGREDIENTS

If present, IARC, NTP, and OSHA Carcinogens, are identified with an asterisk (*) in this Section.

<u>Ingredient(s)</u>	<u>PEL / TLV</u>	<u>Percent</u>	<u>Note</u>
Petroleum Distillate CAS# 67472-65-0	PEL-TWA 500 ppm TLV-TWA 5 mg/M ³ ACGIH STEL 10mg/M ³	>95%	

SECTION 2: HAZARDS IDENTIFICATION

Permissible Exposure Limits: Not established for this product. See Section I for Component PELs and TLVs.

Effects of Acute Overexposure:

Eyes: Exposure to liquid, vapor, or mist may cause mild eye irritation. Symptoms may include stinging, tearing, redness, and swelling.

Skin: Exposure may cause mild skin irritation. Symptoms may include: redness, itching, and defatting. Skin absorption is possible but harmful effects are unlikely.

Breathing: Exposure to vapor or mist may cause mild irritation. Prolonged or repeated exposure may cause irritation to the respiratory tract including the nose, throat, and airways, and central nervous system depression including dizziness, weakness, fatigue, nausea, headache, and unconsciousness.

Swallowing: Exposure may cause gastrointestinal irritation including nausea, vomiting and diarrhea. Aspiration of the material into the lungs can cause chemical pneumonitis, which can be fatal.

Primary Route(s) of Entry: Skin contact, eye contact, and inhalation.

Effects of Chronic Overexposure: None known. The component in this material is not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

Medical Conditions Aggravated by Exposure: Skin contact may aggravate existing dermatitis or other significant skin conditions. Inhalation may adversely affect existing respiratory concerns.

SECTION 3: FIRST AID MEASURES

Eyes: Immediately remove individual from exposure area and into fresh air. Flush eyes with water for at least 15 minutes while holding eyelids apart. Seek medical attention.

Skin: Remove contaminated clothing. Wash exposed area with large amounts of soap and water. If skin irritation symptoms develop, seek medical attention.

Breathing: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen (if you have been trained in its use). If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention. If possible do not leave person unattended.

Swallowing: DO NOT INDUCE VOMITING. This material is an aspiration hazard. Seek medical attention.

SECTION 4: FIRE FIGHTING MEASURES

Flash Point: 425°F (Open Cup)

Explosive Limit: Not determined

Extinguishing Media: Foam, CO₂, and Dry Chemical.

Hazardous Decomposition Products: May form toxic materials including, but not limited to the following: carbon dioxide, carbon monoxide, and various hydrocarbons, aldehydes and ketones.

Fire Fighting Procedures: Wear Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fire fighting.

Special Fire and Explosion Hazards: None

SECTION 5: ACCIDENTAL RELEASE MEASURES

Small Spill: Absorb liquid with vermiculite, floor absorbent, or other absorbent material. Ventilate area well before re-entry. Appropriate personal protective equipment should be worn.

Large Spill: Only personnel trained in spill clean-up under 29 CFR 1910.120 should be involved with spill clean-up procedures. Prevent material from entering drains, sewers, streams, or other bodies of water. Prevent from spreading. If run-off occurs notify appropriate authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product on absorbent materials. Transfer contaminated absorbent and other materials to container for disposal. Follow Local, State, and Federal regulations for proper disposal.

SECTION 6: HANDLING AND STORAGE

Minimize temperature extremes. Keep containers closed when not in use. Do not transfer to unmarked containers. Loosen closure carefully.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Not required under normal conditions of use; however, if sprayed or used in confined areas, a NIOSH / MSHA approved respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH / MSHA respirators under specified conditions -- see 29 CFR 1910.134 or your safety equipment supplier. Engineering and/or administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below the recommended exposure limits.

Protective Gloves: Wear chemical resistant gloves such as n-butyl rubber, rubber, or neoprene. Contact your safety equipment supplier.

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised.

Other Protective Equipment: To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Measurement</u>	<u>Property</u>	<u>Measurement</u>
Boiling Point	597 °F @ 760 mmHg (component)	Specific Gravity	>1 @ 68°F (component)
Vapor Pressure	Not established for product	Percent Volatiles	Nil
Vapor Density	>1 (Air = 1)	Evaporation Rate	Slower than Ether
Solubility In Water	Not soluble	Appearance	Pale liquid
pH	Not applicable		

SECTION 9: STABILITY AND REACTIVITY

Hazardous Polymerization: Can not occur.

Stability: Stable.

Incompatibility: Avoid contact with strong oxidizing materials. Do not mix with any products.

SECTION 10: TOXICOLOGICAL INFORMATION

No data available at this time.

SECTION 11: ECOLOGICAL INFORMATION

No data available at this time.

SECTION 12: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Local, State, and Federal Regulations.

This product should be considered for recycling, it may have BTU value and should be considered for incineration.

SECTION 13: TRANSPORTATION INFORMATION

DOT Hazard Classification: None required.

SECTION 14: REGULATORY INFORMATION

SARA Title III, Section 313 chemicals: None known.

SARA Title III, Section 312: Health Acute-(Yes) Chronic (No) Fire (No) Reactivity (No) Proposition 65: None known.

SECTION 15: OTHER INFORMATION

Containers used to transport and store this material may be hazardous when emptied. Residue (Vapor, Liquid, and/or Solid) may be present in the emptied container. All hazard precautionary measures should be followed.

The information accumulated and reflected in this Material Safety Data Sheet is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.