



VACUUM TECHNOLOGIES, INC.

MATERIAL SAFETY DATA SHEET

Protexol-VP

Rust-inhibiting lubricant for long-term storage of liquidring vacuum pumps

PRODUCT INFORMATION:

DEKKER PART No's: 5225-0010-000 (1 gal) - 5225-0050-000 (5 gal) - 5225-0550-000 (55 gal)

CHEMICAL NAME: semi-synthetic hydrocarbon CHEMICAL FAMILY: mineral oil.

FORMULA: proprietary. CAS#: proprietary.

COMPONENTS AND HAZARD STATEMENT:

This material has **no known hazards** under applicable laws. The product contains **no known carcinogens**. No special warning labels are required under OSHA 29CFR 1910.1200. Product is TSCA (Toxic Substance Control Act), EU (European Union) and METI (Ministries of Economy, Trade and Industry (Far East)) compliant.

HANDLING, PROTECTION, HEALTH HAZARD DATA AND FIRST AID:

AVOID BREATHING OIL MISTS (threshold limit value: 5 mg/m³ ACGIH for oil mists). Product is not toxic by inhalation. Use in **well ventilated area** with local exhaust. **If oil mist is inhaled, move to fresh air and consult physician.**

DO NOT TAKE INTERNALLY. If ingested: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water and consult physician. **Do not give anything by mouth** if person is **unconscious** or having convulsions. May cause nausea and diarrhea.

AVOID CONTACT WITH SKIN, EYES AND CLOTHING. Protective **gloves** not required, but **recommended**, especially for prolonged exposure. **Upon contact** with skin, **wash exposed area with soap and water.** Wash contaminated clothing before re-use. **Eye/face protection: safety glasses or goggles. If product enters the eyes: flush with water for 15 minutes and consult physician.**

STORAGE, SPILL OR LEAK PROCEDURES AND WASTE DISPOSAL METHOD:

STORAGE: Keep container tightly sealed when not in use.

IN CASE OF SPILL: Wear suitable protective equipment, especially goggles. **Stop the source of the spill. Dike** the spill area. Use **absorbent materials** to soak up fluid (i.e. sand, sawdust and commercially available materials). **Wash spill area** with large amounts of water. **Properly dispose of all materials.**

DISPOSAL: **Incinerate this product** and all associated wastes in a licensed facility in accordance with **Federal, State and local regulations.** This material is **not hazardous waste under RCRA Regulation 40 CFR 261.**

PHYSICAL DATA:

Appearance: colorless liquid. **Odor:** slight. **Boiling point:** >500°F.

Vapor pressure: <0.1 mmHg @ 20°C. **Specific gravity** (water = 1): 0.87.

Volatiles: 0% by volume. **Solubility in water:** insoluble. **Evaporation rate** (butyl acetate = 1): nil.

REACTIVITY DATA:

Stability: stable. **Hazardous polymerization:** will not occur. **Incompatible materials:** strong oxidizers.

Conditions to avoid: excessive heat.

Hazardous decomposition products: analogous compounds evolve carbon monoxide, carbon dioxide and other unidentified chemicals when burned (see below).

FIRE AND EXPLOSION HAZARDS:

Flash point (by Cleveland Open Cup): 420 - 450°F

Flammable limits: not established. **Auto-ignition temperature:** no data.

HMIS ratings: Health: 0 - Flammability: 1 - Reactivity : 0. **NFPA ratings:** not established.

Extinguishing media: dry chemical, CO₂ foam, waterspray (fog).

Unusual fire and explosion hazards: none.

Special fire fighting techniques: Toxic fumes, gases or vapors may evolve on burning. Firefighters should use NIOSH/MNSA-approved self-contained breathing apparatus. Use water to cool fire-exposed containers. Use water carefully near exposed liquid to avoid frothing and splashing of hot liquid.

The information in this material safety data sheet should be provided to all who use, handle, store, transport, or are otherwise exposed to this product. DEKKER VACUUM TECHNOLOGIES, INC. believes the information in this document to be reliable and up to date as of the date of publication, but makes no guarantee that it is.