

**DUAL PURPOSE VACUUM PUMP OIL**  
**Material Safety Data Sheet**

**SECTION I - COMPANY IDENTIFICATION**

**PRODUCT:** DUAL PURPOSE VACUUM PUMP OIL

**CAT. NO.:** L339, L340, L341, L342, L343

**PACKED & DISTRIBUTED BY:**

Virginia KMP Corporation  
4100 Platinum Way  
Dallas, Texas 75237

**TELEPHONE NUMBERS:**

Office: 1-(214) 330-7731  
Emergency Only: 1-(800) 424-9300

**SECTION II - HAZARDOUS INGREDIENTS**

**OSHA Hazardous Components (29 CFR 1910.1200)**

**EXPOSURE LIMITS: 8 HR. TWA**

Heavy paraffinic distillate (CAS# 64741-88-4)  
Zinc dithiophosphate (CAS# 19210-06-1)  
Zinc dialkyl dithiophosphate (CAS# 68457-79-4)

OSHA PEL	ACGIH TLV
NE	NE
NE	NE
NE	NE

**SECTION III - HAZARDS IDENTIFICATIONS**

**EMERGENCY OVERVIEW:** CAUTION! Eye and skin irritant. Harmful if swallowed.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** Unlikely.  
**EYE CONTACT:** Eye irritation develops immediately on contact.  
**SKIN CONTACT:** Causes mild skin irritation.  
**INGESTION:** Causes irritation of mouth and stomach. May cause nausea, vomiting.

**CHRONIC Effects:** None established.

**NOTE:**

**CARCINOGENICITY:** LISTED IN NTP? No IARC? No OSHA Regulated? No

**SECTION IV - FIRST AID MEASURES**

**INHALATION:** Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact a physician immediately.  
**EYE CONTACT:** Flush eyes with water for 15 minutes. Get medical attention if symptoms develop and persist.  
**SKIN CONTACT:** Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.  
**INGESTION:** Do NOT induce vomiting. Get immediate medical attention. If spontaneous vomiting occurs, keep head below hips. Aspiration of even small amounts of vomit into lungs may result in aspiration pneumonitis.

**SECTION V - FIRE FIGHTING MEASURES**

**FLASHPOINT (TEST METHOD):** 424 F  
**FLAMMABLE LIMITS:** LOWER: ND UPPER: ND  
**AUTOIGNITION TEMPERATURE:**

**GENERAL HAZARD:**

**FIRE FIGHTING INSTRUCTIONS:** Approach fire from upwind side. Avoid breathing smoke, fumes, mist or vapors on the downwind side. Firefighters wear protective clothing and self contained breathing apparatus.

**EXTINGUISHING MEDIA:** Dry powder, carbon dioxide (CO<sub>2</sub>), water fog or spray.

**HAZARDOUS COMBUSTION PRODUCTS:** Acrid smoke, CO, CO<sub>2</sub>, and toxic fumes of SO<sub>x</sub>, ZnO, PO<sub>x</sub>.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**LAND SPILL:** Emergency response coordinator must have mandated training. Eliminate all ignition sources. **SMALL SPILLS:** Pick up with absorbent materials and place in non-leaking containers; seal tightly for proper disposal or reuse. **LARGE SPILLS:** Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels.

**WATER SPILL:**

Clean up leaks/spills immediately to prevent soil or water contamination.

**SECTION VII - HANDLING AND STORAGE**

**HANDLING:** Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section IV. Launder contaminated clothing before reuse.

**STORAGE:** Store in a cool place away from ignition sources. Store away from oxidizers.

## DUAL PURPOSE VACUUM PUMP OIL

### SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust ventilation recommended.

**PERSONAL PROTECTION:** Respiratory protection and chemical gloves not needed under proper conditions of use. Use chemical goggles and wear boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**VAPOR PRESSURE:** ND

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.88

**SOLUBILITY IN WATER:** Negligible

**pH:** NA

**BOILING POINT:** 221 C

**APPEARANCE & ODOR:** Light amber liquid, oil odor.

**VAPOR DENSITY (Air=1):** ND

**EVAPORATION RATE (BuAc=1):** ND

**VOC:** ND

**FREEZING POINT:**

### SECTION X - STABILITY AND REACTIVITY

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** High temperature, ignition sources.

**MATERIALS TO AVOID:** Oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** From combustion: smoke, CO, CO<sub>2</sub>, toxic fumes of ZnO, PO<sub>x</sub>, SO<sub>x</sub>.

**HAZARDOUS POLYMERIZATION:** Will not occur.

### SECTION XI - TOXICOLOGICAL INFORMATION

Zinc dithiophosphate

LDLo: 2130 mg/kg (oral - rat)

### SECTION XII - ECOLOGICAL INFORMATION

Zinc accumulates in some organisms but is not considered to be bio concentrative.

### SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose as hazardous waste. Classification and documentation is required before disposal. Follow all local, state and federal regulations.

### SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Not regulated.

**HAZARD CLASS:** NA

**IDENTIFICATION NUMBER:** NA

**DOT Emergency Guide #:** NA

**Reportable Quantity (RQ):** NA

**International:** NA

### SECTION XV - REGULATORY INFORMATION

**TSCA (Toxic Substance Control Act):** Components of this product are listed on the TSCA Inventory.

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):** Not listed.

**SARA TITLE III (Superfund Amendments and Reauthorization Act):**

Section 313, Toxic Materials: Zinc compounds <2%

**CALIFORNIA PROPOSITION 65:** WARNING: This product contains mineral oil, a chemical known to the State of California to cause cancer.

### SECTION XVI - OTHER INFORMATION

State Right-to-Know Programs: Not listed.

NFPA Ratings

Health: 1

Flammability: 1

Reactivity: 0

HMIS Protective Equipment: X See your supervisor