



# HE500

## Material Safety Data Sheet

Revision Date January 2004

For Chemical Emergency Call Chemtrec 800-424-9300

### 1. Substance/Company Identification

PRODUCT NAME:

HE500

CAS NUMBER: N/A

SUPPLIER:

Vacuum Products Canada Inc.  
Mississauga, ON, L5S 1V7  
(905) 672-7704

### 2. Composition/ Ingredients

GENERIC NAME: Diester-Based Lubricant

HAZARDOUS INGREDIENTS: This product does not contain any components considered to be health hazards under the OSHA Hazard Communication Standard 29 CFR 1910.1200 or under the WHMIS Controlled Product Regulations in Canada.

### 3. Hazards Identification

\*\*\* EMERGENCY OVERVIEW \*\*\*

Low hazard for usual industrial handling.

EYE, SKIN, INHALATION, INGESTION - No hazard expected in normal use.

### 4. First Aid Measures

SKIN: Wash with soap and water.

EYES: Flush with plenty of water. Contact a physician if irritation develops or persists.

INGESTION: No adverse effects expected by this route of exposure. If symptoms develop get medical attention.

INHALATION: Remove to fresh air. If not breathing, give CPR. If breathing is difficult, give oxygen. Get immediate medical attention.

### 5. Fire Fighting Measures

FLASH POINT: 480 F

METHOD USED: Cleveland Open Cup

EXPLOSIVE LIMITS LOWER: Unknown UPPER: Unknown

EXTINGUISHING MEDIA: Water fog, chemical foam or carbon dioxide. NFPA Class III B Material.

SPECIAL FIREFIGHTING PROCEDURES: Wear self contained positive-pressure breathing gear when fighting fires in enclosed spaces; incomplete combustion of this material produces carbon dioxide and some carbon monoxide.

UNUSUAL FIRE AND/OR EXPLOSION HAZARDS: None

### 6. Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN EVENT OF RELEASE: Ventilate area. Absorb spill with inert material and place in a chemical waste container. Obey relevant local, state and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil. Use personal protective equipment as described in Sections 8.

**7. Handling and Storage**

**HANDLING:** Wash thoroughly after handling. Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing.. Do not use this product above the temperature range specified by the compressor manufacturer.

**STORAGE:** Store in a cool, dry place. Keep container closed when not in use.

**8. Exposure Controls/Personal Protection**

**ENGINEERING CONTROL MEASURES:** Use adequate ventilation

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**PROTECTIVE GLOVES:** Use oil-impermeable gloves.

**SAFETY GLASSES/GOGGLES:** Wear safety glasses with side shields

**OTHER PROTECTIVE EQUIPMENT:** None should be required under normal use.

**9. Physical & Chemical Properties**

**PHYSICAL STATE:** Liquid

**VAPOR PRESSURE:** < .02 Torr @ 300F

**BOILING POINT:** >660F

**EVAPORATION RATE :** Is slower than Butyl Acetate

**VAPOR DENSITY:** Is heavier than air.

**WT % VOLATILES:** Nil

**SPECIFIC GRAVITY:** 0.94

**VISCOSITY:** 97.8 cSt@ 40 C

**SOLUBILITY IN WATER:** Nil

**APPEARANCE:** Light amber viscous liquid with a faint odor.

**10. Stability & Reactivity**

**STABILITY:** Material is stable

**CONDITIONS TO AVOID:** Nine known

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Incomplete combustion may produce small amounts of carbon monoxide.

**11. Toxicological Information**

**ACUTE ORAL LD50(MG/KG):** 10 (Rat)

**ACUTE DERMAL LD50:** None

**ACUTE INHALATION LC50:** (Rat>20mg/l)

**12. Ecological Information**

**ENVIRONMENTAL:** When used and/or disposed of as indicated, no adverse environmental effects are foreseen.

**MOBILITY:** Non-volatile and insoluble in water.

**DEGRADABILITY:** Slowly biodegradable in aerobic conditions.

**13. Disposal Considerations**

Product and packaging must be disposed of in accordance with Federal, State and local regulations.

**14. Transport Classification**

Not classified as hazardous for transport by air, sea or road.

**15. Regulatory Information**

None

**16. Other Information****NFPA RATING**

FLAMMABILITY	1
HEALTH HAZARD	0
REACTIVITY	0
SPECIAL HAZARD	NONE