



HE-1600

Material Safety Data Sheet

Revision Date January 2007

For Chemical Emergency Call Chemtrec 800-424-9300

1. Substance/Company Identification

PRODUCT NAME: **HE-1600**
CAS NUMBER:
SUPPLIER: Vacuum Products Canada Inc.
Mississauga, ON, L5S 1V7
(905) 672-7704

2. Composition/ Ingredients

GENERIC NAME:
CHEMICAL FORMULA:
HAZARDOUS INGREDIENTS:

3. Hazards Identification

POSSIBLE ENTRY ROUTES:
ACUTE EFFECTS:
CHRONIC EFFECTS:

4. First Aid Measures

SKIN: The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.
EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
INGESTION: If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

FLASH POINT: Does not ignite
METHOD USED: PMCC
EXTINGUISHING MEDIA: As appropriate for combustibles in area.
SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus. Wear full protective equipment. Decomposition at flame temperature may form toxic fluorine compounds. Avoid breathing decomposition products.
UNUSUAL FIRE AND/OR EXPLOSION HAZARDS:

6. Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN EVENT OF RELEASE: Soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up.
Accidental Release Measure: place in container for disposal. Remove source of heat and flame.

7. Handling and Storage

HANDLING: Perfluoropolyether oils are considered to be an inert and of low toxicity. However, as with all lubricants it is important to observe correct hygiene practices. Avoid contact with eyes. Avoid contact with skin. Wash thoroughly after handling.
STORAGE: Keep container tightly closed. Do not store or consume food, Drink or tobacco in areas where they may become contaminated with this material. Keep away from heat and flames to avoid decomposition products.

8. Exposure Controls/Personal Protection ENGINEERING CONTROL MEASURES: Keep container tightly closed.
RESPIRATORY PROTECTION:
VENTILATION: Use when the oil is heated above 550°F. Keep away from heat and flames.
SAFETY GLASSES/GOGGLES: Wear safety glasses or coverall chemical splash goggles.
OTHER PROTECTIVE EQUIPMENT: Where there is potential for skin Contact have available and wear as appropriate, impervious gloves, apron, pants, and jacket.

9. Physical & Chemical Properties SOLUBILITY IN WATER: Negligible WT%
pH: Neutral
ODOR: Odorless
FORM: Liquid, viscous oil
COLOUR: Colourless
SPECIFIC GRAVITY: 1.86-1.91 @ 24°C (75°F)
POUR POINT: -45 to -5 °C (-49 to -25°F)

10. Stability & Reactivity STABILITY: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): Non reasonably foreseeable.
HAZARDOUS DECOMPOSITION PRODUCTS: Heating above 350°C (662°F) may form potentially toxic flouring compounds. Depolymerization may occur in the presence of some material oxides at temperatures above 288°C.
POLYMERIZATION: Will not occur.

11. Toxicological Information PERFLUROALKYLEETHER: Inhalation 4 hour ALC: >19.54 mg/L in rats.
SKIN ABSORPTION ALD: >17,000 mg/kg in rabbits.
ORAL ALD: >25,000 mg/kg in rats.
The product is a mild skin and eye irritant, but is not a skin sensitizer in tests on animals. A single inhalation exposure caused nonspecific effects such as respiratory irritation. Exposure to thermal decomposition products produced irritation, irregular respiration, tremors and increase liver weight. Repeated inhalation exposures to 10, 100, or 1000 mg/m³ caused increased lung weights and microscopic particle-laden macrophages in the lungs and lymph nodes; this was an expected pulmonary response to high aerosol concentrations of inert material. No animal test reports are available to define carcinogenic, developmental, or reproductive hazards. Tests have shown that the product did not cause genetic damage in bacterial cell cultures.

12. Disposal Considerations Waste Disposal: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, Stat/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

13. Transport Classification Not classified as hazardous DOT, IMO, or IATA.

14. Regulatory Information TSCA Inventory Status: Reported / Included
Title III HAZARD CLASSIFICATION SECTIONS 311, 312
ACUTE: Yes
CHRONIC: No
FIRE: No
REACTIVITY: No
PRESSURE: No

16. Other Information

NFPA RATING

FLAMMABILITY	0
HEALTH HAZARD	1
REACTIVITY	0
SPECIAL HAZARD	NONE

