



# HE-200

## Material Safety Data Sheet

Revision Date December 2005

For Chemical Emergency Call Chemtrec 800-424-9300

### 1. Substance/Company Identification

PRODUCT NAME: **HE-200**  
CAS NUMBER: 64742-65-0  
SUPPLIER: Vacuum Products Canada Inc.  
Mississauga, ON, L5S 1V7  
(905) 672-7704

### 2. Composition/ Ingredients

GENERIC NAME: 100% Solvent refined Neutral paraffinic oil  
CHEMICAL FORMULA:  $(CH_2)_n$   $20 \leq n \leq 40$   
HAZARDOUS INGREDIENTS: None

### 3. Hazards Identification

POSSIBLE ENTRY ROUTES: Ingestion, inhalation of oil mists  
This product is not classified as hazardous.  
ACUTE EFFECTS: Exposure to oils mists may cause nausea and eye irritation. Detailed studies have not been made, but material is not expected to be dermatitic or a sensitizer.  
CHRONIC EFFECTS: Unknown.

### 4. First Aid Measures

SKIN: Wash with soap and water.  
EYES: Flush with water. Contact a physician!  
INGESTION: If swallowed, do not induce vomiting.  
Small amounts in mouth may be washed out. Contact a physician.

### 5. Fire Fighting Measures

FLASH POINT:  $>224^\circ\text{C}$   
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 breathing gear when fighting fires in enclosed spaces; incomplete combustion of this material produces carbon monoxide!  
UNUSUAL FIRE AND/OR EXPLOSION HAZARDS: None

### 6. Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN EVENT OF RELEASE: Small spills may be wiped up with a rag. Large spills should be picked up immediately with an absorbent.

### 7. Handling and Storage

HANDLING: None known  
STORAGE: None known

### 8. Exposure Controls/Personal Protection

ENGINEERING CONTROL MEASURES: None required  
RESPIRATORY PROTECTION: See notes on ventilation below.  
VENTILATION: Good general ventilation at source of vapor.  
PROTECTIVE GLOVES: Yes - made of oil-impermeable rubber  
SAFETY GLASSES/GOGGLES: Yes - glasses should have side shields  
OTHER PROTECTIVE EQUIPMENT: None should be required under normal use.

### 9. Physical & Chemical Properties

PHYSICAL STATE: Liquid

VAPOR PRESSURE: < .0001 Torr @ 25C  
 BOILING POINT: >200 C  
 EVAPORATION RATE (ether = 1): Nil  
 VAPOR DENSITY: approximately 14  
 WT % VOLATILES: Nil  
 SPECIFIC GRAVITY: 0.87  
 VISCOSITY: 57 cst @ 40 C  
 SOLUBILITY IN WATER: Nil  
 APPEARANCE: Pale yellow viscous liquid with a faint petroleum odor.

**10. Stability & Reactivity**

STABILITY: Material is stable  
 CONDITIONS TO AVOID: Continuous exposure to temperatures > 200 C  
 INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers  
 HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may produce carbon monoxide.

**11. Toxicological Information**

ACUTE ORAL LD50(MG/KG): None known  
 ACUTE DERMAL LD50: None  
 ACUTE INHALATION: US Gov't 8 hr TWA limit for exposure to oil mists is 5 mg per cubic meter

**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**

TSCA: This material is in compliance with the TOXIC SUBSTANCE CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA Inventory.

**HAZARD CATEGORIES FOR SARA 311/312 REPORTING**

HEALTH	Immediate (Acute)	No
HEALTH	Delayed (Chronic)	No
PHYSICAL	Fire	No
PHYSICAL	Sudden release of pressure	No
PHYSICAL	Reactive	No
PHYSICAL	Nuisance Mist/ Dust Only	No

01=SARA 313	11=NJRTK	21=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	22=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	23=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIM TWA	24=TSCA Sect 8(a)
05=CAProp65-ReprotTox	15=ACGIH STEL	25=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	26=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	27=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	28=OSHA CEILING
09=SARA 302/304	20=EPA Carcinogen	
10=PA RTK		

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC  
 Is found on lists: 14,15,17

**NEW JERSEY RTK CLASSIFICATION:**

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et.seq., the product is to be identified as follows:

PETROLEUM OIL

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

FLAMMABILITY	1
HEALTH HAZARD	0
REACTIVITY	0
SPECIAL HAZARD	NONE