



# ULVAC R-7

## Material Safety Data Sheet

Revision Date February 2002

Supersedes January 2001

For Chemical Emergency Call Chemtrex 800-424-9300

- 1. Substance/Company Identification**      **PRODUCT NAME:**      **ULVAC R-7 Rotary Vacuum Pump Oil**  
CAS NUMBER: 64742-65-0
- DISTRIBUTOR:**      ULVAC Technologies, Inc.  
401 Griffin Brook Drive  
Methuen, MA 01844  
(978) 686- 7550
- 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.  
Contact a physician. Small amounts in mouth may be washed out.
- 5. Fire Fighting Measures**      **FLASH POINT:** 230 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.  
**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: <math>5 \times 10^{-3}</math> Torr @ 25C  
 BOILING POINT: >200 C  
 EVAPORATION RATE (ether = 1): Nil  
 VAPOR DENSITY: approximately 14  
 WT % VOLATILES: Nil  
 SPECIFIC GRAVITY: 0.88  
 VISCOSITY: 68 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**

U.S. TSCA Inventory: Listed on US TSCA Inventory  
 SARA Ext. Haz. Subst.: This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substance list.  
 SARA Section 313: There are no SARA 313 chemicals present above the threshold limits.

**16. Other Information**

**NFPA RATING**

FLAMMABILITY	1
HEALTH HAZARD	0
REACTIVITY	0
SPECIAL HAZARD	NONE