

ROBINAIR MATERIAL SAFETY DATA SHEET

TRADE NAME: All Climate Vacuum Pump Oil	DATE PREPARED 9-19-85	ROBINAIR INDEX NO. 461.00-07	PHONE NO. (For Info.) (419) 485-5561
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SECTION 5 — HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	<input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Ingestion <input type="checkbox"/> Not Hazardous	CARCINOGEN LISTED IN	<input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph	<input type="checkbox"/> OSHA See Note 5 <input checked="" type="checkbox"/> Not Listed
THRESHOLD LIMIT VALUE (TLV) PERMISSABLE EXPOSURE LIMIT (NDA) 5mg/m ³ As oil mist (ACGIH 1984-85; OSHA 1972)					

HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE: ACUTE
Eyes: May be mildly irritating.
 Practically non-irritating (0.7-1.7/110, Draize)

Inhalation: Low risk of inhalation. In enclosed spaces or when hot, vapors may reach concentrations sufficient to cause drowsiness, dizziness, headache, nausea, or lung irritation. Mists above TLV may cause chemical pneumonitis. LC50/4 H(RAT): >5,000 mg/m³

Ingestion: Generally low toxicity. Very large amounts may cause generalized depression, headache, drowsiness, nausea, vomiting or diarrhea. Small doses may produce irritation and diarrhea. LD50 (RAT): >15g/Kg See Note 2

Skin: Dermal Contact: Low irritant.
 Absorption: No probable acute hazard.
 Non-irritating or practically non-irritating (0-0.6/8, Draize)

EFFECTS OF OVEREXPOSURE: CHRONIC
Eyes: None expected

Inhalation:
 None expected

Ingestion:
 None expected

Skin:
 Prolonged and/or frequent contact may cause drying, cracking (Dermatitis) or Folliculit

EMERGENCY FIRST AID PROCEDURES - Seek medical assistance for further treatment, observation and support if necessary.

Eyes:
 Flush with large volumes of water. See physician if any complications arise.

Inhalation:
 Remove to fresh air. Respiratory support if necessary. Seek medical aid.

Ingestion:
 Do not induce vomiting. Seek medical aid.
 See Note 1

Skin: Wash with soap and water. Do not wear heavily contaminated clothing before laundering.
Injection: Subcutaneous injection is a medical emergency. Seek medical aid immediately.
 See Note 1

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SECTION 6 — CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION (Specify Type)	Normally none required. If high vapor or mist concentrations expected - use respirator NIOSH/MSHA approved is required.			
PROTECTIVE GLOVES	Oil impervious gloves	EYE PROTECTION	Safety goggles, or chemical splash goggles	
VENTILATION TO BE USED	<input checked="" type="checkbox"/> Local Exhaust To keep mists below TLV	<input type="checkbox"/> Mechanical (general)	NDA	<input type="checkbox"/> Special
	<input checked="" type="checkbox"/> Other (Specify) Very high mist concentrations can result in a fire and explosion hazard.			
OTHER PROTECTIVE CLOTHING AND EQUIPMENT	Wear body-covering work clothes to avoid prolonged or repeated exposure.			
HYGIENIC WORK PRACTICES	Launder soiled work clothes before reuse.			

SECTION 7 — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Review current local, state and federal laws, codes, statutes and regulations to determine the appropriate agencies to be notified, and the conditions under which they should be notified (See also Sections 1, 4 & 6).

Remove sources of heat or ignition, provide adequate ventilation, contain leak. Absorb small spills with suitable material such as rags, straw or sand. Report spills as required to appropriate authorities.

Protective Measures During Repair and Maintenance of Contaminated Equipment: Refer to Section 6 - Special Protection Information. Avoid prolonged contact with used oil, wash skin thoroughly with soap and water.

WASTE DISPOSAL METHOD: Review current local, state and federal statutes, codes, laws and regulations to determine the current status and appropriate disposal method for the ingredients listed in Section 1.

It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal. Check before disposing to be sure you are in compliance with all applicable laws and regulations. See Note 3

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SECTION 8 — PRECAUTIONS FOR SAFE HANDLING AND TRANSPORTATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store below 120°F. Do not apply high heat or flame to container. Keep separate from strong oxidizing agents.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS

Caution:

Empty containers may contain product residue which could include flammable or explosive vapors. See Note 3

DOT INFORMATION:

DOT/UN Shipping Name: Petroleum Lubricating Oil

DOT Hazard Class: Non-Hazardous

DOT/UN Hazard Identification Number: None assigned

DOT Shipping Container Restrictions: None

Hazardous Material Placard/Label: None

NFPA

Rating * Health 1 Flammability 1 Reactivity 0 Special _____

HMIS

Rating * Health _____ Flammability _____ Reactivity _____ Personal Protection _____

NOTES

- Notes to Physician: If viscosity is less than 100 SUS at 100°F, careful gastric lavage with tight fitting or cuffed tube is to be preferred over emesis.
If viscosity is greater than 100 SUS at 100°F, emesis may be induced for large quantities.
Aspiration may cause chemical pneumonitis or lipoid pneumonia
Subcutaneous injection requires prompt surgical debridement.
If not familiar with technique, seek skilled advise. SUS Viscosity at 100°F = 200.
- Toxicity Summary: Slightly toxic, 1 pt. to 1 qt. is approximate lethal oral dose for 150 lb. human adult.
- Consult appropriate Federal, State, and Local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

* OPTIONAL

NA - NOT APPLICABLE

NDA - NO DATA AVAILABLE

< LESS THAN

> MORE THAN

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NOTES

- Flash Point, PM, °C(°F): 218(424)
Fire Point, COC, °C(°F): 252(485)
- The base stocks used in "All Climate Vacuum Pump Oil" are best characterized by Class 3 (Severely Solvent- Refined Oils), and do not require carcinogenic labeling under OSHA's Hazard Communication Standard. This product is not listed as a carcinogen or potential carcinogen by NTP, IARC, or by OSHA.

* OPTIONAL NA - NOT APPLICABLE NDA - NO DATA AVAILABLE < LESS THAN > MORE THAN

D. P. Schrock

NAME
Director of Manufacturing and Distribution

TITLE
D. P. Schrock

6-18-86

SIGNATURE

DATE



ROBINAIR

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