



MATERIAL SAFETY DATA SHEET
FOR: DIRECTORR® 8995P PREMIUM VACUUM PUMP OIL

HMIS Rating: Health: 0 Flammability: 1 Reactivity: 0 Special: X

SECTION 1 - IDENTIFICATION

Chemical Name: Severely Hydrotreated Paraffinic Oil
Synonyms: DIRECTORR® 8995P Premium Vacuum Pump Oil (Improved)
Formula: N/A (Product is refined naturally occurring mixture)
Manufacturer's Name: Welch Rietschle Thomas
7301 North Central Ave.
Skokie, IL 60077
Date Prepared: February 10, 2004
Telephone Number for General Information: (847) 676-8800

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Exposure Limits in Air

<u>Component</u>	<u>CAS No.</u>	<u>OSHA PEL</u>	<u>ACGIH TVL</u>
Synthetic Hydrocarbon	64742-65-0	NO	NO

To the best of our knowledge, the above listed component is not hazardous according to OSHA (1910.1200) or one or more state right-to-know lists.

SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance and Odor: Light Yellow, Mild Odor
Specific Gravity @ 22°C (72°F) (Water = 1): 0.87
Vapor Pressure, Torr @ 25°C: 1x10⁻⁶
Vapor Density (Air = 1): N/A
Water Solubility: Insoluble
Boiling Point (ASTM D-86 Method): 445°F
Reactivity in Water: N/A
Melting Point: N/A

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SECTION 4 - FIRE AND EXPLOSION HAZARDS DATA

Flash Point: 475°F 245°C
Method Used: COC
Flammable Limits: Upper: N/D Lower: N/D
Extinguishing Media: CO₂, Dry Chemical, Foam and Water Fog.

Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combusting and Oxygen deficiency.

Unusual Fire and Explosion Hazards: Normal combustion forms Carbon Dioxide and water vapor. Incomplete Combustion can produce Carbon Monoxide.

CAUTION: DO NOT USE PRESSURE TO EMPTY DRUM, OR EXPLOSION MAY RESULT.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Product is stable under normal conditions.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: None known at this time.
Incompatibility (Materials to Avoid): May react with strong oxidizing agents such as Chlorates, Nitrates, Peroxides, etc...
Hazardous Decomposition Products: Carbon Monoxide and other unidentified organic compounds may be formed upon combustion.

SECTION 6 - HEALTH HAZARD DATA

Eyes: This substance is not expected to cause prolonged or significant eye irritation.
This hazard evaluation is based on data from similar materials
Skin: This substance is not expected to cause prolonged or significant skin irritation.
This hazard evaluation is based on data from similar materials
Inhalation: If inhalation, this substance is considered practically non-toxic to internal organs.
This hazard evaluation is based on data from similar materials
Ingestion: If swallowed, this substance is considered practically non-toxic to internal organs.
This hazard evaluation is based on data from similar materials

Chemical Listed as Carcinogen or Potential Carcinogen:

IARC Monographs: No OSHA: No National Toxicology Program: No

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SIGNS AND SYMPTOMS OF EXPOSURE

Primary Routes of Exposure: Inhalation, skin or eye contact, and ingestion.

FIRST AID MEASURES

Inhalation: This material is not expected to be an immediate inhalation problem. No First Aid procedures are required.

Eyes: Immediately flush eyes with plenty of cool water for 15 minutes. Remove contact lenses if worn. Do not let victim rub eyes. No First Aid procedures are required.

Skin: No First Aid procedures are required. As precaution, wash skin thoroughly with soap. Remove and wash contaminated clothing.

Ingestion: If swallowed, give water or milk to drink and telephone Medical advice. Consult Medical Personnel before inducing vomiting. If Medical advice cannot be obtained, take person and product container to the nearest Medical Emergency Treatment Center or hospital.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Precaution to be taken in Handling and Storage: Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperature should be minimized. Water contamination should be avoided.

Steps to be taken in Case of Release or Spill: Stop source of leak. Clean up as soon as possible. Contain liquid to prevent further soil, surface water, or ground water contamination. Clean-up small spills using appropriate techniques such as Sorbing materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for larger releases.

Waste Disposal Method: It is the responsibility to the user of products to determine at the time of disposal whether product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixture, processes, etc. may render the resulting material hazardous.

SECTION 8 - CONTROL MEASURES

Respiratory Protection: None required if exposures are within permissible concentrations of 5.0mg/m3 of air for mineral oil mist average over an eight-hour daily exposure (ACGIH 1984-85). Ventilation: Normal.

Protective Gloves: Impervious gloves when prolonged contact cannot be avoided.

Eye Protection: Chemical type goggles/face shield.

Protective Clothing: Impervious gloves when prolonged contact cannot be avoided.

Other Protective Measures: None considered necessary at this time.

Work/Hygienic Practices: Employees should exercise reasonable personal cleanliness.

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SECTION 9 – ENVIROMENTAL DATA

Section 313 – Toxic Chemicals

This product does not contain toxic chemicals of Section 313 of Title III of Supervened Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

Section 311 – Hazard Catagories

- | | | |
|----|-----------------------------------|-----|
| 1. | Not Applicable | Yes |
| 2. | Acute (Immediate Health Hazard) | No |
| 3. | Chronic (Delayed Health Hazard) | No |
| 4. | Fire Hazard | No |
| 5. | Sudden Release of Pressure Hazard | No |
| 6. | Reactive Hazard | No |

Section 302(A) – Extremely Hazardous Substances

(RQ = Reportable Quantity)

(TPQ = Threshold Planning Quantity)

This product does not contain extremely hazardous substances of Section 302(A)

Clean Water Act

Under Section 311(b)(4) of the Clean Water Act, discharges of crude oil and petroleum products in any kind or form to surface waters must be immediately reported to the National Response Center:

1-800-424-8802

Comprehensive Environmental Response Compensation & Liability (Act CERCLA)

Section 102 Hazardous Substances 42 U.S.C. 9602

Petroleum and petroleum fractions are excluded from the list of CERCLA hazardous substances by Section 101(14) of CERCLA.

Federal Regulations

Reported in TSCA Inventory

Product: Yes

Components: Not Applicable

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and **we expressly disclaim all warranties of every kind of nature, including warranties of merchantability and fitness for a particle purpose in respect to the use or suitability of the product.**

Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe-handling procedures should be provided to handlers and users.

ATTENTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

REGULATION INFORMATION:	D.O.T. SHIPPING NAME:	N/A
	D.O.T. HAZARD CLASS:	N/A
	D.O.T. IDENTIFICATION NUMBER:	N/A

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