



MATERIAL SAFETY DATA SHEET
FOR: DIRECTORR® 8995G GOLD VACUUM PUMP OIL

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

SECTION 1 - IDENTIFICATION

Chemical Name: Synthetic Hydrocarbon

Synonyms: DIRECTORR® 8995G Gold Vacuum Pump Oil

Formula: NA (Product is refined naturally occurring mixture)

Manufacturer's Name: Welch Rietschle Thomas
7301 North Central Ave.
Skokie, IL 60077

Date Prepared: March 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	68037-01-4	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 Straw Color, Slight Odor

Specific Gravity @ 22°C (72°F) (Water = 1): 0.83 @ 22°C (72°F)

Vapor Pressure, Torr @ 25°C: 1x10⁻⁷

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: 480°F 249°C
Method Used: COC
Flammable Limits: Upper: N/D Lower: N/D
Extinguishing Media: Use water spray, dry chemical, foam or carbon dioxide.
Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined space without proper protective equipment, including self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Do not weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently.

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

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable under normal conditions.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid heating to decomposition. User is advised to have a safety expert evaluate the specific conditions of use.
Incompatibility (Materials to Avoid): N/D
Hazardous Decomposition Products: Includes Oxides of Carbon.

SECTION 6 - HEALTH HAZARD DATA

Eyes: Expected to cause no more than minor eye irritation.
Skin: Expected to cause no more than minor irritation following prolonged or frequent repeated contact
Inhalation: Inhalation of Oil mist vapors at elevated temperatures may cause respiratory irritation.
Ingestion: Ingestion harmful if aspirated into the lungs. Do not induce vomiting.

Chemical Listed as Carcinogen or Potential Carcinogen:

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

SIGNS AND SYMPTOMS OF EXPOSURE

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

FIRST AID MEASURES

If Inhaled: Remove to fresh air. If victim has stopped breathing, give artificial respiration. Seek medical attention.
In Case of Eye Contact: Immediately flush eyes with plenty of cool water for 15 minutes. Do not let victim rub eyes.
In Case of Skin Contact: Wash affected area thoroughly.
If Swallowed: Do not induce vomiting. If victim is conscious and able to swallow, give water to dilute, do not give sodium bicarbonate, fruit juices, or vinegar. See medical attention.

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SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Storage and Handling Precautions:	Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperature should be minimized.
Waste Disposal Method:	Under RCRA, 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.
Action to Take for Spills or Leaks:	Wear appropriate respiratory protection and protective clothing as described below. Contain spilled material. Transfer to secured containers. Collect using absorbent media. In the event of an uncontrolled release of this material, user should determine if release is reportable under applicable laws and regulations under RCRA.

SECTION 8 - CONTROL MEASURES

Ventilation:	Mechanical ventilation recommended.
Respiratory Protection:	NIOSH approved organic vapor respiratory when exposed to vapor from heated material
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.

All statements, information, and data provided in this Material Safety Data Sheet are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied on our part. Users should make their own investigations to determine the suitability of the information of products for their particular purpose.

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 containers closed and drum bung in place.

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