



MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION

Product:	ViscoTech R342
Type:	Grease
Reference:	N/A

Manufacturer:

Engineered Custom Lubricants (ECL)

45800 Mast Street

Plymouth, MI 48170-6056

Note: ECL and Engineered Custom Lubricants are assumed names of Roy Dean Products Company

Date: December 17, 2003**Emergency Telephone Number:** 734-451-2800**Manufacturer's DUNS Number:** 00-657-3802

SECTION II - INGREDIENTS

CAS Number	Chemical Name	Percentage
9002-84-0	Polytetrafluoroethylene	15.0

No Toxic, Hazardous or Reportable Materials

Hazardous Material Identification Systems (HMIS): Health-1, Flammability-1, Reactivity -0, Personal Protection-B

SECTION III - PHYSICAL DATA

Boiling Point:	>288°C	Evaporation Rate:	<0.01
Vapor Pressure:	<0.01 mm	Specific Gravity:	1.0127
Vapor Density (Air=1):	>5	% Volatile by Volume:	NIL
Water Solubility (%):	Insoluble		
Appearance and Odor:	Smooth, off-white grease with mineral oil odor.		

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point (Method): 169°C COC**Flammable Limits:** (LEL) 1.0% (UEL) 7.0%**Extinguishing Media:** Dry Chemical, CO₂, Foam or Water Fog**Special Fire-Fighting Procedures:** Avoid smoke inhalation. Water or foam may cause frothing. Cool exposed container with water. Use air-supplied rescue equipment for enclosed areas.**Unusual Fire and Explosion Hazard:** Do not store or mix with strong oxidants. Empty containers retain residue. Do not cut, drill, grind or weld, as they may explode.

SECTION V - REACTIVITY DATA

Stability: Stable**Hazardous Polymerization:** Will not occur.**Chemical Incompatibilities:** Avoid contact with strong oxidants, such as liquid chlorine and concentrated oxygen.**Hazardous Decomposition Products:** Burning may produce carbon monoxide, carbon dioxide, formaldehyde, as well as small amounts of other toxic fumes.**Other:** Avoid contamination of cigarettes or other tobacco products.



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SECTION VI - HEALTH HAZARD INFORMATION

This product is not considered a human carcinogen by any recognized source.

Threshold Limit Value: 5 mg/m³ for oil mist in air. OSHA Regulation 29: CFR 1910.1000.

Effects of Overexposure: Prolonged or repeated skin contact may cause skin irritation. Product contacting the eyes may cause eye irritation. Human health risks vary from person to person. As a precaution, limit exposure to liquids, vapors, mists and fumes should be minimized. This product has a low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury.

Medical Conditions Which May be Aggravated by Contact: None

Target Organs: Skin, eyes, respiratory passages (high temperatures only)

Primary Entry Route(s): Skin, eyes, inhalation (high temperatures only)

Acute Effects: Possible skin and eye irritation. Possible respiratory passage irritation at high temperatures.

Chronic Effect(s): None expected with normal exposure.

First Aid:

- Eye Contact: Flush thoroughly with clear water for 15 minutes or until irritation subsides. Contact physician.
- Skin Contact: Wash with soap and water. Remove any contaminated clothing and wash with soap and warm water.
- Inhalation: Move to fresh air and refer to a physician for treatment.
- Injection: Consult physician immediately.
- Ingestion: Contact physician immediately.
- Other: Exercise ordinary measures of personal hygiene.

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill/Leak Procedures: Wipe or scrape up spillage and place it in a container for disposal. May be absorbed with an inert material such as sand, soil or vermiculite. Walking surfaces should be washed thoroughly with detergent and water to reduce slipping hazard. Keep petroleum products out of sewers and watercourses. Advise authorities if product has or may enter sewers and watercourses.

Waste Management Disposal: Assure conformity with applicable disposal regulations. Consult local, State and Federal regulations applicable to your area.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Personal Protective Equipment:

- Goggles: Safety glasses recommended.
- Gloves: Oil resistant gloves recommended, especially to avoid prolonged or repeated skin contact.
- Respirator: Not required unless mists, smoke or vapors are produced at high temperatures.
- Other: Use oil resistant apron, if needed.

Workplace Considerations:

- Ventilation: None required unless smoke, mists or vapors are produced at high temperatures

SECTION IX - SPECIAL PRECAUTIONS

Storage Segregation: Not needed.

Special Handling/Storage: Exercise ordinary care in handling chemicals.

Other Precautions: Keep containers closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants. Avoid contamination of cigarettes or other tobacco products. Hands should be washed thoroughly before smoking. Users should be alert to the possibility that very small percentages of the population may display unexpected allergic skin reactions to otherwise innocuous industrial chemicals and raw materials.

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