

4-14-94 # 88878
THE RECTORSEAL CORPORATION MATERIAL SAFETY DATA SHEET

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2830 PRODUCE ROW
 HOUSTON, TX 77023-5822
 Telephone No.: (713) 928-6423

DIRECT TO APPROPRIATE PERSONNEL
 Date of Preparation: 3/19/90
 Supersedes Any Previous Issue

Emergency Telephone No.: (800) 424-9300 (CHEMTREC - Day or Night)

SECTION I - PRODUCT IDENTIFICATION

Product Name: ~~RECTORSEAL® PREMIUM THREAD CUTTING OILS~~
 LIGHT OR DARK

Product Type: Cutting Oils

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS:	APPROX. %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Base Oil (CAS #64742-53-6)		5 mg/m ³	5 mg/m ³	N/A

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SPECIAL HAZARD DESIGNATIONS

	Petroleum Oil N.O.S. UN 1270	HMIS NFPA	
DOT (49CFR172):	Petroleum Oil N.O.S. UN 1270		
OSHA (29CFR1910.1200) Evaluation:	Hazardous		
RCRA (40CFR261) Evaluation:	Hazardous Waste	Health: 2	2
EPA/TSCA Listed Ingredients:	Yes	Flammability: 1	1
SARA Listed Ingredients:	None	Reactivity: 0	0

KEY: 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	> 500°F (260°C) @ 760 mm Hg	Specific Gravity (H ₂ O = 1):	0.92
Vapor Pressure (mm Hg.):	N/D	Melting Point:	N/A
Vapor Density (AIR = 1):	> 1	Evaporation Rate (Ethyl Acetate=1):	< 1
Solubility in Water:	Negligible	Appearance/Odor:	Amber Color/ Petroleum Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 200°F (93°C) PMCC Flammable Limits-LEL: 1.0% UEL: 6.0%

Extinguishing Media: Foam, dry chemical, CO₂, or water fog.

Special Fire Fighting Procedures: Wear self-contained full face-piece breathing apparatus and other protective clothing. Hazardous decomposition products possible (see Section V). Dike fire control area as run-off may create additional fire hazard and environmental contamination.

Unusual Fire and Explosion Hazards: Small amounts of hydrogen sulfide may be generated when heated. Cool exposed containers with water. Burning liquid may float on water. Heat may build up pressure and rupture closed containers.

SECTION V - REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Heat, sparks, open flames, and strong oxidizing conditions.

Incompatibility (Materials to Avoid): Strong oxidizing materials.

Hazardous Decomposition Products: Hydrogen sulfide, CO, CO₂, sulfur oxides, nitrogen oxides, and fragmented hydrocarbons.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None.

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SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes
Health Hazards (Acute and Chronic): Prolonged or repeated skin contact can lead to irritation or dermatitis.
Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No
Signs and Symptoms of Exposure:
Eyes: Irritation.
Inhalation: Irritation, shortness of breath.
Ingestion: Gastro-intestinal distress.
Skin: Irritation.
Medical Conditions Generally Aggravated by Exposure: N/D
Emergency and First Aid Procedures:
Eyes: Flush with large amounts of water for 15 minutes. Seek immediate medical attention.
Inhalation: Remove to fresh air; administer oxygen or artificial respiration if needed.. Seek immediate medical attention.
Ingestion: DO NOT INDUCE VOMITING. Give large amounts of water only if conscious. Seek immediate medical attention.
Skin: Wash with soap and water. If irritation occurs, seek medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.
Waste Disposal Method: RCRA classified hazardous waste. Dispose of absorbed materials and liquid wastes in approved, controlled incineration facility in accordance with all local, state, and federal regulations.
Precautions to Be Taken in Handling and Storing: Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames.
Other Precautions: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all product precautions. Do not reuse empty containers. Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators.
Ventilation - Local Exhaust: Acceptable Special: N/A
Mechanical (General): Preferable Other: N/A
Protective Gloves: Wear non-permeable gloves. Eye Protection: Safety glasses or goggles.
Other Protective Clothing or Equipment: Oil impervious apron, coveralls recommended.
Work/Hygienic Practices: When use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

This document is prepared pursuant to the OSHA Hazard Communication Standard (29CFR1910.1200). The information herein is given in good faith, but no warranty, express or implied, is made. Consult The RectorSeal Corporation for further information: 713-928-6423.

ABBREVIATIONS: N/A: Not Applicable N/D: Not Determined