

SECTION 1: Product and Company Identification

Product Name: TCO-14
Recommended Use: Thread cutting oil-dark

Manufacturer Information:

Relton Corporation-Chemical Division Phone: (800)-423-1505
 317 Rolyn Place Emergency Number (24 hours):
 Arcadia, CA 91007-2838 CHEMTREC 800-424-9300

SECTION 2: Hazards Identification

GHS Classification: None required
GHS Label Elements: None required
Signal Word: None required
Hazard Statements: None required
Precautionary Statements None required

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS#	%
Mineral oil	64742-54-7	>90
Calcium sulfonate	confidential	1-5

SECTION 4: First Aid Measures**General**

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effects occur. When possible bring along copy of label and SDS to health professional.

Inhalation: May cause mild respiratory tract irritation. Remove individual to fresh air. If breathing is difficult give oxygen.

Skin Contact: Flush the affected area with water for 15 minutes minimum. Remove exposed or contaminated clothing and shoes. Wash contaminated clothing before reuse. Seek medical attention if irritation develops.

Eye Contact: Remove contact lenses if present. Rinse eyes thoroughly with water for 15 minutes minimum. Seek medical attention if eye irritation develops or persists.

Ingestion: If conscious give one cup of water or milk if available and transport to a medical facility. Do not give anything by mouth to an unconscious person.

Most important symptoms acute or delayed: Not available

Recommendations for immediate medical care and special treatment: Not available

SECTION 5: Fire Fighting Measures

Suitable extinguishing media:	Slightly combustible. Use carbon dioxide, extinguishing powder or foam. Avoid water spray.
Unsuitable extinguishing media:	Not available
Specific hazards arising during fire:	Combustion may generate carbon monoxide and carbon dioxide Flammable vapors may be generated when heated above flash point.
Firefighting equipment:	Firefighters should wear suitable protective equipment
Firefighting instructions:	Evacuate personnel to a safe area. Firefighters should use self contained breathing equipment and protective clothing. Keep containers cool with water spray.

SECTION 6: Accidental Release Measures

Personal Precautions:	Wear appropriate protective equipment and clothing during clean up. Keep unprotected persons away.
Environmental Precautions	Do not allow product to enter sewers, surface or ground waters.
Methods and materials for containment and cleanup:	Contain and recover liquid when possible. Absorb with suitable absorbent and place in a chemical waste container for proper disposal (see Section 13, Disposal Considerations).

SECTION 7: Handling and Storage

Precautions for safe handling:	As with all chemical products, avoid contact and wash thoroughly after handling. Do not eat, drink or smoke while using this product. Use only in well-ventilated areas. Remove contaminated clothing and protective equipment before entering eating areas.
Conditions for safe storage including incompatibilities:	All personnel who handle this product should be trained in its safe handling. Store tightly closed in cool, dry, ventilated area. Keep out of direct sunlight and away from heat and incompatible materials. Avoid contact with acids, oxidizing agents, and caustics.

SECTION 8: Exposure Controls/Personal Protection**Exposure limit values**

Material	CAS#	List	Type	Value
oil mists		OSHA	PEL	5 mg/m ³
		ACGIH	TLV	5 mg/m ³

Appropriate Engineering Controls:	Provide sufficient mechanical (general/and or local exhaust) ventilation to maintain exposure below exposure guidelines, if applicable, or below levels that cause known, suspected, or adverse effects.
Personal Protective Measures	
Eye/face protection:	Use chemical goggles or full face shield.
Hand protection:	Use chemically-resistant gloves.
Respiratory protection:	Not required under normal conditions of use. If airborne concentrations exceed applicable exposure limits, use NIOSH approved respiratory protection.
Thermal hazards:	Not available
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice. Eyewash station and safety shower should be in vicinity of work area.

SECTION 9: Physical and Chemical Properties

Appearance:	Dark brown oily liquid
Odor:	petroleum
Odor threshold:	Not available
pH:	Not applicable
Solubility in water:	Insoluble
Viscosity:	Not available
Specific Gravity:	0.90
Melting point:	Not available
Freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	>177C (350 F, COC)
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/Lower flammability or explosive limits (%)	
Flammability limit-lower:	Not available
Flammability limit-upper:	Not available
Explosive limit-lower:	Not available
Explosive limit-upper:	Not available
Vapor pressure	Not available
Vapor density	Heavier than air
Partition coefficient (octanol:water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Decomposition temperature	Not available

SECTION 10: Stability and Reactivity

Reactivity:	No reactivity hazards are known.
Chemical Stability:	Material is stable under normal conditions of storage and handling.
Possibility of hazardous reactions:	No hazardous reactions are known under normal conditions of use.
Conditions to avoid:	Keep away from heat, sparks, open flames. Protect from freezing.
Materials to avoid:	Do not store with strong oxidizing agents. Keep away from heat, sparks, open flames, or all sources of ignition.
Hazardous decomposition products:	May include carbon monoxide, carbon dioxide, and oxides of sulfur and calcium

SECTION 11: Toxicological Information**Acute Toxicity:**

Petroleum distillates, hydrotreated heavy paraffinic
 Ingestion LD50, rat, >5000 mg/kg
 Dermal LD50, rabbit, 5000 mg/kg (Category 5)
 Inhalation LD50, mg/L/4hr, not available

Skin: Not expected to be a primary skin irritant. Prolonged or repeated contact may cause irritation.

Eyes: Not expected to cause eye irritation.

Inhalation:	May cause mild irritation of the respiratory tract with prolonged exposure.
Ingestion:	Ingestion may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
Delayed and immediate effects of exposure:	Not available.
Carcinogenicity:	
IARC:	No ingredient is considered to be carcinogenic.
NTP:	No ingredient is considered to be carcinogenic.

SECTION 12: Ecological Information

Ecotoxicity:	Not available.
Bioaccumulation potential:	Not available.
Mobility:	Not available.
Other adverse effects:	This material is expected to have adverse effects on marine and plant life. Spills may contaminate drinking water.

SECTION 13: Disposal Considerations

Disposal instructions:	Waste disposal must be in accordance with appropriate US Federal, State and Local regulations.
Disposal of contaminated containers or packaging:	Dispose of as unused product.

SECTION 14: Transportation Information

UN Number:	Not regulated
UN proper shipping name:	Oil, N.O.S.
Transport hazard class:	Not regulated
Packing group:	Not applicable
Marine pollutant:	No

SECTION 15: Regulatory Information

Toxic Substances Control Act (TSCA):	All components of this product are on the TSCA Inventory or are exempt from reporting requirements.
SARA 302 Extremely Hazardous Substances:	No
SARA 311/312 Classification:	
Immediate hazard	Yes
Delayed hazard	No
Fire hazard	No
Reactive hazard	No
Pressure hazard	No
SARA 313 Components:	No

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm

HMIS Information:

Health	1
Flammability	1
Reactivity	0
Personal Protection	C



SECTION 16: Other Information

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