



RELTON CORPORATION

MATERIAL SAFETY DATA SHEET

Health	1
Fire	1
Reactivity	1

SECTION I

PRODUCT NAME OR NUMBER Thread-Cutting Oil / Dark - TCO 14	
MANUFACTURER'S NAME Relton Corporation	EMERGENCY TELEPHONE NO Chemtrec - (800) 424-9300
ADDRESS (Number, Street, City, State, and Zip Code) 317 Rolyn Place, Arcadia, CA 91006	Non-Emergency Ph. No. (213) 681-2551
HAZARDOUS MATERIALS DESCRIPTION AND PROPER SHIPPING NAME (49 CFR 172.101) This material has no known hazards under applicable law.	HAZARD CLASS (49 CFR 172.101) NA
CHEMICAL FAMILY Mixture: Predominantly pale oil with bland additives	FORMULA NA

SECTION II - INGREDIENTS

	TLV	PEL	STEL	C.A.S. NO.	% by wght
	NE*	NE*	NE*		
Pale oil # 100				64741-96	> 85
Metalworking-fluid additive				Trade Secret	< 8
Metalworking-fluid additive				Trade Secret	< 5
	* For the mixture				

SECTION III - PHYSICAL DATA

BOILING POINT (X°F) (C°)	>350° F	SPECIFIC GRAVITY (H ₂ O=1) @ 25° C	0.9	Freezing Point	NF
VAPOR PRESSURE (mm Hg)	NA	PERCENT VOLATILE BY VOLUME (%)	NA	VOC	NA
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (WATER=1)			
		Much slower than water			
SOLUBILITY IN WATER: Insoluble		pH=	NA		
APPEARANCE AND ODOR	Dark fluid of low odor.		IS MATERIAL GAS LIQUID SOLID PASTE POWDER		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used) > 310° F (COC)	FLAMMABLE LIMITS Not determined	LEL	UEL
EXTINGUISHING MEDIA CO ₂ , dry chemical, foam, water as a mist only			
SPECIAL FIRE FIGHTING PROCEDURES Self-contained breathing apparatus with full facepiece in a pressure-demand mode; full-body protective clothing. Treat as an oil fire.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Combustion can produce acid gases (sulfur dioxide and hydrogen sulfide). Cool fire exposed containers with water spray to prevent rupture.			

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE Eyes and skin: may cause mild irritation. Inhalation: may cause mild upper respiratory irritation. Ingestion: possible nausea.	THRESHOLD LIMIT VALUE (OF MIXTURE) NE
EMERGENCY AND FIRST AID PROCEDURES Eyes: flush for 15 min. with water. Skin: wash with soap and water. Inhalation: remove to fresh air. Ingestion: do not induce vomiting; give copious water to conscious person. Call Doctor.	

NE=not established NF=not found NA=not applicable

