

**A-9 ALUMINUM CUTTING FLUID**

			<b>HMS</b>	
			Health	1
			Fire	1
			Reactivity	1

**MATERIAL SAFETY DATA SHEET**

Meets requirements of 29 CFR 1910.1200  
(Federal Hazard Communication Standard)

 **SECTION I**

PRODUCT NAME OR NUMBER	<b>A-9® ALUMINUM CUTTING FLUID</b>		
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 91007-2838	Non-Emergency Ph. No.	(323) 681-2551 (800) 423-1505
HAZARDOUS MATERIALS DESCRIPTION AND PROPER SHIPPING NAME (49 CFR 172.101)	NA	HAZARD CLASS (49 CFR 172.101)	NA
CHEMICAL FAMILY	Mixture: predominately hydrocarbon base with bland additives.	Formula	See Section II

 **SECTION II - INGREDIENTS**

	TLV	PEL	STEL	C.A.S. NO.	%
Mineral Oil	NE	NE	NE	64742-58-1	> 70
Bland Additive	NE	NE	NE	Trade secret	< 25
Bland Additive	NE	NE	NE	Trade secret	< 16
Perfume	NE	NE	NE	-- --	< 1
Green dye, Pharmacy Grade	NE	NE	NE	-- --	trace

(See Section V for Health data)

Data is based on testing mixture as a whole. Neither the mixture nor any of its ingredients is on the carcinogen or suspected-carcinogen list of the NTP, the IARC, or OSHA. Contains no Calif. Prop. 65 substance. Not reportable under SARA. All components are listed on the TSCA inventory.

 **SECTION III - PHYSICAL DATA**

BOILING POINT ( X°F ) ( C° )	400° F	SPECIFIC GRAVITY ( H <sub>2</sub> O=1 ) @ 25° C	0.883	Freezing Point	-20° F
VAPOR PRESSURE ( mm Hg )	100° F: .1 mm	PERCENT VOLATILE BY VOLUME ( % )	NA	VOC	NA
VAPOR DENSITY ( AIR=1 )	NA	EVAPORATION RATE ( WATER=1 )	NA		
SOLUBILITY IN WATER	Negligible	pH=	NA		
APPEARANCE AND ODOR	light green oil with slight,fatty odor.		MATERIAL IS	LIQUID	SOLID
			GAS	PASTE	POWDER

 **SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT ( method used )	266° F CCC	FLAMMABLE LIMITS	LFL	UFL
		Non-Flammable	NA	NA
EXTINGUISHING MEDIA	Use CO <sub>2</sub> , dry chemicals , foam, water as a mist only.			
SPECIAL FIRE FIGHTING PROCEDURES	Prefer CO <sub>2</sub> or sand as with oil fire.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	No unusual hazards			
Exposing containers to intense heat could cause drums to rupture. 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.
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 lots of water to a conscious person. Call Doctor

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

**A-9 ALUMINUM CUTTING FLUID** **SECTION VI - REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID: Flame, heat, strong oxidizing agents
	STABLE	X	
INCOMPATIBILITY (materials to avoid): Swells natural rubber and some plastics. Slight etching of light metals on prolonged exposure may occur.			
HAZARDOUS DECOMPOSITION PRODUCTS. CO, CO <sub>2</sub> , and acrolein when combusted			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID: NA
	WILL NOT OCCUR	X	

 **SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED. Wear respirator and protective clothing .Treat as oil spill. Soak up on absorbent clay or sand and remove to containers.
WASTE DISPOSAL METHOD Transport in DOT-approved container to EPA-approved treatment, storage, and disposal facility. Follow local, State & Federal disposal regulations.

 **SECTION VIII - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (specify type) Normally not needed. For oil-type mist, use NIOSH listed respirator.			
VENTILATION Local-mechanical to remove oil mist	LOCAL EXHAUST (Specify Rate) Adequate to avoid fumes and oil mists		SPECIAL Not required normally
	MECHANICAL (General) (Specify Rate) NA		OTHER
PROTECTIVE GLOVES Nitrile-type, oil resistant	EYE PROTECTION Chemical goggles or full faceshield.		
OTHER PROTECTIVE EQUIPMENT Clean clothes. Apron or chemical suit where splashing may occur.			

 **SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Avoid production of oil mist. Avoid excessive heat. Avoid repeated or prolonged skin or eye contact.
OTHER PRECAUTIONS While there is no TLV established for this product, airborne mist should be kept below the nuisance TLV for oil mist: 5Mg/meter <sup>3</sup> .

**ADDITIONAL INFORMATION**

**DOT:** No hazardous substance      UN or NA#: Not applicable  
No hazard class      Freight Classification: Petroleum oil, lubricating  
No DOT ID#      It# 155250 Class 65

**SARA:** Not considered to be subject to Title III

**TSCA:** All components required to be listed on the inventory are listed.

**IARC-NTP-OSHA:** Neither the mixture nor any component is listed as a carcinogen or suspected carcinogen.

**California Prop. 65 Material:** None.



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