

A-9 ALUMINUM CUTTING FLUID

NFPA  Health Fire Reactivity	 MATERIAL SAFETY DATA SHEET Meets requirements of 29 CFR 1910.1200 (Federal Hazard Communication Standard)	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><th colspan="2">HMIS</th></tr> <tr><td>Health</td><td style="text-align: center;">1</td></tr> <tr><td>Fire</td><td style="text-align: center;">1</td></tr> <tr><td>Reactivity</td><td style="text-align: center;">1</td></tr> </table>	HMIS		Health	1	Fire	1	Reactivity	1
HMIS										
Health	1									
Fire	1									
Reactivity	1									

 SECTION I

PRODUCT NAME OR NUMBER A-9® ALUMINUM CUTTING FLUID	
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 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 (H2O=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 GAS	LIQUID PASTE	SOLID 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 CO2, dry chemicals , foam, water as a mist only.			
SPECIAL FIRE FIGHTING PROCEDURES	Prefer CO2 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 ₂ , 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 ³ .

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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by Dr. Robert E. Pratt,
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