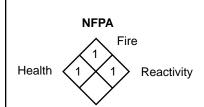
A-9 ALUMINUM CUTTING FLUID





CORPORATION



HMIS 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 A-9® ALUMINUM CUTTING FLUID					
MANUFACTURER'S NAME	Relton Corporation	EMERGENCY TELEPHONE NO Chemtrec - (800) 424-9300			
ADDRESS (Number, Street, City, 9 317 Rolyn Place	Emergency Ph. No. 2551 (800) 423-1505				
HAZARDOUS MATERIALS DESCRIPTION NA	AND PROPER SHIPPING NAME (49 CFR 172 101) NA	HAZARD CLASS (49 CFR 172.101) NA			
CHEMICAL FAMILY Mixture: pre	dominately 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			Freezing Point	-20º F
VAPOR PRESSURE (mm Hg)	100° F: .1 mm	PERCENT VOLATILE BY VOLUME (%)			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.						SOLID OWDER

☐ SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used) 266° F CCC	FLAMMABLE LIMITS	LFL	UFL			
200 1 000	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

A-9 ALUMINUM CUTTING FLUID

☐ SECTION VI - REACTIVITY DATA

STABILITY	UNSTABL	.E	CONDITIONS TO AVOID:			
	STABLE	Х	Flame, heat, strong oxidizing agents			
INCOMPATIBIL	INCOMPATIBILITY (materials to avoid): Swells natural rubber and some plastics. Slight etching of light metals on prolonged					
	exposure may occur.					
HAZARDOUS DECOMPOSITION PRODUCTS. CO, CO2, and acrolein when combusted						
HAZARDOUS		MAY OCC	UR	JR CONDITIONS TO AVOID:		
POLYMERIZAT	TON W	ILL NOT O	CCUR	X	NA	

☐ 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 EXHAUST (Specify R	ate)	SPECIAL Not required normally		
Local-mechanical	Adequate to avoid fumes and	oil mists			
to remove oil mist	MECHANICAL (General) (Spe	cify 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/meter3.

ADDITIONAL INFORMATION

DOT: No hazardous substance

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.

UN or NA#: Not applicable

California Prop. 65 Material: None.



CORPORATION



317 ROLYN PLACE ARCADIA CALIFORNIA 91007-2838

Phone: (323) 681-2551 (800) 423-1505 Emerg: Chemtrec - (800) 424-9300 Prepared: 12-10-93 Updated: 10-23-97 Updated: 12-6-94 Updated: 02-29-00 Updated: 5-7-96 Updated: 03/10/03 Updated: 07/22/05

by Dr. Robert E. Pratt, consulting chemist