A-9 ALUMINUM CUTTING FLUID

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.

Formulation
See Section II

Section II - Ingredients

<table>
<thead>
<tr>
<th>TLV</th>
<th>PEL</th>
<th>STEL</th>
<th>C.A.S. No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>64742-58-1</td>
<td>&gt; 70</td>
</tr>
<tr>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>Trade secret</td>
<td>&lt; 25</td>
</tr>
<tr>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>Trade secret</td>
<td>&lt; 16</td>
</tr>
<tr>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>-- --</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>-- --</td>
<td>trace</td>
</tr>
</tbody>
</table>

(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

<table>
<thead>
<tr>
<th>Boiling Point (°F) (°C)</th>
<th>400° F</th>
<th>Specific Gravity (H2O=1) @ 25° C</th>
<th>0.883</th>
<th>Freezing Point -20° F</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAPOR PRESSURE (mm Hg)</td>
<td>100° F: .1 mm</td>
<td>PERCENT VOLATILE BY VOLUME (%)</td>
<td>NA</td>
<td>VOC</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1)</td>
<td>NA</td>
<td>EVAPORATION RATE (WATER=1)</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Negligible</td>
<td>pH=</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

Appearance and Odor
light green oil with slight, fatty odor.

Material is Gas
LIQUID
SOLID
POWDER

Section IV - Fire and Explosion Hazard Data

Flash Point (method used)
266° F CCC

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

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>UNSTABLE</th>
<th>CONDITIONS TO AVOID:</th>
<th>STABLE</th>
<th>X</th>
<th>Flame, heat, strong oxidizing agents</th>
</tr>
</thead>
</table>

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 POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID:

WILL NOT OCCUR

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-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/meter³.

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.

RELTON 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: 2-29-00

Updated: 5-7-96

Signed: Dr. Robert E. Pratt, consulting chemist