

# RELTON A-9 ALUMINUM CUTTING FLUID

Revision Date: 2015/08/07

## Section 1: PRODUCT INFORMATION

**Chemical family:** Not available.

**Product uses:** Cutting fluid.

**Product name:** RELTON A-9 ALUMINUM CUTTING FLUID.

**Manufacturer emergency phone number:** Chemtrec 800-424-9300 (24h).

**Supplier:** Bessey Tools North America  
1555 Bishop Street, Unit #6  
Cambridge, Ontario  
N1R 7J4  
Tel: 519-621-7240, Fax: 519-621-3442.

**TDG classification:** Not regulated.

**DSL status:** Appears on DSL.

## Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
64742-58-1	70-90	PETROLEUM OIL PARAFINE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

## Section 3: PHYSICAL DATA

**Physical state:** Liquid.

**Appearance & odor:** Light green.  
Petroleum odour.  
Oil

**Odor threshold (ppm):** Not available.

**Vapour pressure (mmHg):** < 0.01 @ 20°C.

**Vapour density (air=1):** Heavier than air.

### Volatiles (%)

**By volume:** Not available.

**Evaporation rate (butyl acetate = 1):** Not available.

**Boiling point (°C):** Not available.

**Freezing point (°C):** Not available.

**pH:** Not applicable.

**Specific gravity @ 20 °C:** 0.88

**Solubility in water (%):** Insoluble.

**Coefficient of water\oil dist.:** Not available.

**Melting point (°C):** Not available.

VOC: Not available.

#### Section 4: FIRE & EXPLOSION DATA

**Flammability:** Not flammable.

**Conditions of flammability:** At temperatures at or above flash point.  
Vapours may form flammable mixtures with air at temperatures at or above flash point.

**Extinguishing media:** Carbon dioxide, dry chemical, foam.  
Do not use water spray.

**Special procedures:** Self-contained breathing apparatus required.  
Firefighters should wear the usual protective gear.  
Use water spray to cool fire exposed containers.

**Auto-ignition temperature (°C):** Not available.

**Flash point (°C), method:** Cleveland Closed Cup.  
> 177.

**Lower flammability limit (% vol):** Not available.

**Upper flammability limit (% vol):** Not available.

#### Explosion Data

**Sensitivity to static discharge:** Not available.

**Sensitivity to mechanical impact:** Not available.

**Hazardous combustion products:** Oxides of carbon (CO, CO<sub>2</sub>).

**Explosive power:** Not available.

#### Section 5: REACTIVITY DATA

**Chemical stability:** Product is stable under normal handling and storage conditions.

**Conditions of instability:** Heat, sparks & open flame.  
Keep from freezing.

**Hazardous polymerization:** Not available.

**Incompatible substances:** Strong oxidizing agents.

**Hazardous decomposition products:** Oxides of carbon (CO, CO<sub>2</sub>).

#### Section 6: TOXICOLOGICAL PROPERTIES

**Route of entry:** Skin contact, eye contact, inhalation and ingestion.

#### Effects of acute exposure

**Eye contact:** Not expected to cause irritation.

**Skin contact:** Prolonged contact may cause irritation.

**Inhalation:** May cause mild respiratory irritation.

**Ingestion:** May cause nausea, vomiting and diarrhea.  
May cause gastro-intestinal irritation.  
May cause abdominal pain.

**Effects of chronic exposure:** Not available.

**LD50 of product, species & route:** Not available.

**LC50 of product, species & route:** Not available.

**Exposure limit of material:** For oil mists 5mg/m<sup>3</sup>.

**Sensitization to product:** Not available.

**Carcinogenic effects:** Not listed as a carcinogen.

**Reproductive effects:** Not available.

**Teratogenicity:** Not available.

**Mutagenicity:** Not available.

**Synergistic materials:** Not available.

## Section 7: PREVENTATIVE MEASURES

### Precautionary Measures

**Gloves/Type:**



Chemical resistant gloves.

**Respiratory/Type:** None required under normal use.



If mist is present, wear a NIOSH approved respirator.

**Eye/Type:**



Chemical safety goggles and/or full face shield.

**Footwear/Type:** Safety shoes per local regulations.

**Clothing/Type:** Wear adequate protective clothes.

**Other/Type:** Eye wash facility should be in close proximity.  
Emergency shower should be in close proximity.

**Ventilation requirements:** General dilution and/or local exhaust ventilation to control airborne exposures below exposure limits.

**Leak/Spill:** Evacuate all non-essential personnel.  
Prevent entry into drains, sewers, and other waterways.  
Wear appropriate protective equipment.  
Absorb with non combustible material.  
Place in a chemical waste container for disposal.

**Waste disposal:** In accordance with municipal, provincial and federal regulations.  
Dispose of as unused product.

**Handling procedures and equipment:** Avoid breathing vapors/mists.  
Use adequate ventilation.  
Remove contaminated clothing.  
Wear personal protective equipment appropriate to task.  
Wash thoroughly after handling.  
Avoid contact with skin, eyes and clothing.  
Do not eat, drink or smoke in handling area.  
Launder contaminated clothing prior to reuse.

**Storage requirements:** Store away from incompatible materials.  
Keep out of direct sunlight.  
Store away from acids and oxidizing materials.  
Store in a cool, dry and well ventilated area.  
Keep away from heat.  
Store away from caustics.

**TDG classification:** Not regulated.

**Special shipping information:** See transportation information.

### Section 8: FIRST AID MEASURES

**Skin contact:** Remove contaminated clothing.  
Wash thoroughly with soap and water.  
Seek medical attention if irritation persists.

**Eye contact:** Flush with water for at least 15 minutes.  
Check for and remove contact lenses.  
Consult a physician if irritation persists.

**Inhalation:** Remove victim to fresh air.  
If breathing is difficult, administer oxygen.  
If irritation occurs, consult a physician.

**Ingestion:** Obtain medical attention.  
If conscious, give several glasses of water.  
Never give anything by mouth to an unconscious person.

**Additional information:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

### Section 9: ADDITIONAL INFORMATION

**General note:** This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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