

| <b>NFPA</b><br><br>Health      Fire      Reactivity |  | <table border="1"> <tr> <th colspan="2">HMIS</th> </tr> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table> | HMIS |  | Health | 1 | Fire | 1 | Reactivity | 0 |
|--|--|--|------|--|--------|---|------|---|------------|---|
|  | HMIS   |  |      |  |        |   |      |   |            |   |
| Health   | 1  |  |      |  |        |   |      |   |            |   |
| Fire   | 1  |  |      |  |        |   |      |   |            |   |
| Reactivity   | 0  |  |      |  |        |   |      |   |            |   |
| <b>MATERIAL SAFETY DATA SHEET</b>  |  |  |      |  |        |   |      |   |            |   |

**SECTION I**

|   |  |                               |                           |
|---|--|-------------------------------|---------------------------|
| PRODUCT NAME OR NUMBER  | <b>REL SAW™ Band Saw Fluid Concentrate</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.         | (800) 423-1505            |
| HAZARDOUS MATERIALS DESCRIPTION AND PROPER SHIPPING NAME (49 CFR 172.101) | NA<br>Semi-Synthetic Fluid Concentrate     | HAZARD CLASS (49 CFR 172.101) | NA                        |
| CHEMICAL FAMILY   | Semi-Synthetic, non-hazardous              | Formula                       | Mixture                   |

**SECTION II - INGREDIENTS**

|   | TLV | PEL | STEL | C.A.S. NO. | %      |
|---|-----|-----|------|------------|--------|
| Ethanol, 2,2', 2"-nitrilotris                             | NA  | NE  | NE   | 102-71-6   | 1 - 5  |
| Distillates (petroleum), hydrotreated<br>Heavy naphthenic | NA  | NE  | NE   | 64742-52-5 | 1 - 5  |
| Distillates (petroleum), hydrotreated<br>Light naphthenic | NA  | NE  | NE   | 64742-53-6 | 5 - 10 |
| White Mineral Oil   | NA  | NE  | NE   | 8042-47-5  | 1 - 5  |

**SECTION III - PHYSICAL DATA**

|                              |  |   |             |        |          |
|------------------------------|--|---|-------------|--------|----------|
| BOILING POINT ( X°F ) ( C° ) | : NA NA                                | SPECIFIC GRAVITY ( H <sub>2</sub> O=1 ) @ 60° C | : 1.02      | VOC    | : 000.00 |
| VAPOR PRESSURE ( mm Hg )     | : NA                                   | PERCENT VOLATILE BY VOLUME ( % )                | : 5         |        |          |
| VAPOR DENSITY ( AIR=1 )      | : NA                                   | EVAPORATION RATE ( BUTYL ACETATE=1 )            | : NA        |        |          |
| SOLUBILITY IN WATER          | : Soluble                              | pH as is: 9.4    pH (DILUTE@5%)                 | : 9.2       |        |          |
| APPEARANCE AND ODOR          | Slightly hazy amber liquid, fatty odor |   | MATERIAL IS | LIQUID | SOLID    |
|                              |  |   | GAS         | PASTE  | POWDER   |

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

|   |                   |                  |     |     |
|---|-------------------|------------------|-----|-----|
| FLASH POINT ( method used ):  | 330°F 166°C (COC) | FLAMMABLE LIMITS | LFL | UFL |
|   |                   |                  | NA  | NA  |
| EXTINGUISHING MEDIA: Water fog, dry chemical, foam or CO <sub>2</sub>   |                   |                  |     |     |
| SPECIAL FIRE FIGHTING PROCEDURES:<br>Wear self-contained breathing apparatus when fire fighting in a confined space. Cool fire-exposed containers with waterspray to prevent rupture. |                   |                  |     |     |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: None  |                   |                  |     |     |
| CONTAINER HANDLING: DO NOT CUT OR WELD EMPTY DRUMS UNLESS THOROUGHLY CLEANED.   |                   |                  |     |     |

**SECTION V - REACTIVITY DATA**

|  |          |                      |                |                |
|--|----------|----------------------|----------------|----------------|
| STABILITY:   | UNSTABLE | CONDITIONS TO AVOID: | HAZARDOUS      | MAY OCCUR      |
|  | STABLE   | None                 | POLYMERIZATION | WILL NOT OCCUR |
|  | X        |                      |                | X              |
| INCOMPATIBILITY (materials to avoid): Strong acids \ Strong oxidizing agents |          |                      |                |                |
| HAZARDOUS DECOMPOSITION: Oxides of C, N, and Sulfur and Sodium               |          |                      |                |                |

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

## SECTION VI - HEALTH HAZARD SUMMARY

### ROUTES OF EXPOSURE AND EFFECTS OF OVEREXPOSURE

**EYES:** Concentrate may cause eye irritation. Recommended use dilutions (5% or less) are not expected to cause eye irritation.

**SKIN ABSORPTION:** No acute effects expected.

**SKIN CONTACT:** Concentrate may cause skin irritation.

**INHALATION:** Mists may cause respiratory irritation.

**INGESTION:** Oral LD50 not established. Do not ingest.

**CHRONIC EFFECTS:**

A review of the literature does not show obvious long-term hazard.

**THRESHOLD LIMIT VALUE:** Not established for this product

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

### EMERGENCY AND FIRST AID PROCEDURES

**EYES:** In case of contact, immediately flush eyes with plenty of water. Get medical attention if irritation persists.

**SKIN:** Wash skin with soap and water. If irritation occurs, get medical attention. Wash clothing before reuse.

**INHALATION:** If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

**INGESTION:** If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

## SECTION VII - CONTROL MEASURES

**RESPIRATORY PROTECTION:**

Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the Threshold Limit Value (TLV) or Permissible Exposure Limit (PEL). If any associated TLV or PEL is exceeded, provide NIOSH-approved respiratory protection.

**GLOVES:**

Impervious gloves such as rubber should be used when handling this product.

**EYE PROTECTION:**

Safety glasses with side shield or chemical goggles.

**OTHER:** Eyewash facility. Appropriate clothing to avoid skin contact.

## SECTION VIII - PRECAUTIONS

**CONTAINMENT PROCEDURES:**

Recover free liquid. Keep product out of streams and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas.

**WASTE DISPOSAL PROCEDURES:**

Dispose of in accordance with local, state and federal regulations. Disposal of this material to the land may be banned by federal Law (40 CFR 268).

**STORAGE AND HANDLING PROCEDURES:**

DO NOT ADD NITRITES TO THIS FLUID.

Avoid contact with skin and eyes. Avoid breathing mists. Do not take internally. Keep container closed when not in use. Bring product to room temperature before use.

**RCRA HAZARDOUS WASTE DESIGNATION:**

This product does not fall under current EPA RCRA definitions of hazardous waste.

**CERCLA REPORTABLE QUANTITY:**

This product does not contain any CERCLA regulated materials.

## SECTION IX - OTHER HAZARD INFORMATION

**Alkanolamine**

In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related nitrosating agents should be added to such compositions.

## SECTION X - ADDITIONAL REGULATORY INFORMATION

**OCCUPATIONAL SAFETY and HEALTH ADMINISTRATION (OSHA):**

29 CFR 1910.1200 Hazardous Chemical: no

**SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA):**

Section 302, Extremely Hazardous Substance: no / Section 311/312, Hazardous Classes:

Immediate: yes / Delayed: no / Fire: no / Sudden Release: no / Reactive: no / Section 313, Toxic Chemical: no

**TOXIC SUBSTANCES CONTROL ACT (TSCA):**

This product is a mixture and is NOT Listed in the TSCA Inventory. The individual Ingredients in the product are listed in the TSCA Inventory.

**DEPARTMENT OF TRANSPORTATION (DOT):**

PROPER SHIPPING NAME : Semi-Synthetic Fluid Concentrate

HAZARD CLASS (49 CFR 172.101): NA HAZARD ID NUMBER: NA

Cal. Prop. 65 material: None Ozone-Depleting Substance: None

**RELTON**

CORPORATION

CHEMICAL DIVISION



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