

**OPTION 1**

**NFPA**



**HMS**

|            |   |
|------------|---|
| Health     | 1 |
| Fire       | 0 |
| Reactivity | 0 |
|            |   |

**MATERIAL SAFETY DATA SHEET**

Meets requirements of 29 CFR 1910.1200  
(Federal Hazard Communication Standard)

|  |                |   |
|--|----------------|---|
| Manufacturer's Name:<br>Relton Corporation<br>Address:<br>317 Rolyn Place, Arcadia, CA 91006 | <b>SECTION</b> | <u>Emergency Response</u> for Spill, Leak, Fire, Exposure or Accident:<br>CHEMTREC, Ph.# (800) 424-9300<br>For <u>non-emergency</u> product information:<br>RELTON CORP., Ph.# (213) 681-2551 or (818) 446-8201 |
|--|----------------|---|

|   |                      |
|---|----------------------|
| Chemical Name and Synonyms:<br>Mixture of 3 compounds | Trade Name: Option-1 |
|---|----------------------|

|   |                            |
|---|----------------------------|
| Chemical Family: Salt of triethanolamine and fatty acid | Formula: NA See Section II |
|---|----------------------------|

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| DOT: Shipping Name: Water-based Metalworking Fluid<br>Hazard Class: None<br>UN or NA No: NE |
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| SECTION II -  | By Wt.<br>% | PPM<br>TLV<br>PEL<br>STEL |
|---|-------------|---------------------------|
| Biodegradable --- Water-Based<br>Does <u>not</u> contain 1,1,1-Trichloroethane, sulfur, oil or other toxic chemicals.   |             |                           |
| Water   | > 75        | NA                        |
| A neutral salt of triethanolamine & a natural fatty acid - Trade Secret   | > 9         | NE                        |
| An aliphatic polyol - Trade Secret  | > 4         | NE                        |
| Antifoam Agent Sag 720 - Mixture  | Tr.         | NE                        |
| Anticorrosion Agent Kasil #1 CAS# 1312-76-1   | Tr.         | NE                        |
| Bactericide Dovicil (R) 75  | Tr.         | NE                        |
| Dye FD & C Blue 1 #5601 CAS# 2650-18-2  | Tr.         | NE                        |
| Neither the mixture nor any of its components is on the carcinogen or suspected carcinogen list of the NTP, the IARC or OSHA. Contains no California Prop. 65 substance. No component is subject to SARA Section 313 reporting. |             |                           |

| SECTION III - PHYSICAL DATA                                   |   |
|---|---|
| Boiling Point ( ) 105 C, 221° F                               | Specific Gravity (H <sub>2</sub> O=1): @ 25° C :      |
| Vapor Pressure (mmHg.) : < 5 at Rm. T.                        | Percent Volatile by Volume : 80                       |
| Vapor Density (Air=1) : NE                                    | Evaporation Rate: (H <sub>2</sub> O=1): 1.1           |
| Solubility in water: 100%      pH: 7.6                        | VOC: 0.0 grams per liter (Rotovac stripping at 50° C) |
| Appearance and Odor: Bluish-green liquid; no particular odor. |   |

| SECTION IV - FIRE AND EXPLOSION HAZARD DATA   |  |
|---|--|
| Flash Point (Method Used): None ( COC ) Non-flammable, except for nonvolatiles  | Flammable Limits: NA   |
| Extinguishing Media: Water, CO <sub>2</sub> , Dry powder; avoid chlorinated-solvent fire extinguisher.  |  |
| Special Fire-Fighting Procedures: In a raging fire, oxides of nitrogen may form. Full self-contained breathing apparatus and fire-protection suits are recommended. |  |
| Unusual Fire and Explosion Hazards: None  | Products of combustion in an open flame: CO <sub>2</sub> , CO, NO <sub>2</sub> |

## SECTION V - HEALTH HAZARD DATA

Threshold Limit value: NE

Routes of Entry and Symptoms of Overexposure: Inhalation: unlikely route of entry; normally no hazardous vapors; hot mists might affect breathing. Eyes: irritation. Skin: prolonged contact may irritate skin. Ingestion (swallowing): nausea

First Aid: Inhalation: remove to fresh air. Eyes: flush with copious water; see physician if irritation persists. Skin: water wash and apply skin conditioner (if dry-looking). Ingestion: unlikely route of entry; give water; consult physician.

Note to Physician: Danger to eye is mostly from infection after protective eye fluids are removed. Provide anti-infection and local anesthetic solution.

## SECTION VI - REACTIVITY DATA

Stability:

|          |   |
|----------|---|
| Unstable |   |
| Stable   | X |

Conditions to Avoid: Substances that react adversely with water

Incompatibility (Materials to avoid): Avoid strong bases such as caustic soda; avoid contact with nitrites or nitrates; also avoid strong mineral acids (e.g. nitric acid) and strong oxidizers (e.g. chlorine, liquid oxygen, and ozone.)

Hazardous Decomposition Products: NE

Hazardous Polymerization:

may occur.

will not occur.

|   |
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|   |
| X |

Conditions to avoid:

NA

NA

## SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is released or spilled:

Small amounts: Flush with water. Larger amounts are not to be washed to the sewer but mopped up with absorbent material.

Waste Disposal Method: Dispose of larger amounts in accordance with Federal, State and local regulations for water-based detergents.

RCRA Hazardous Waste No.: NA

Reportable Quantity: NA

## SECTION VIII - SPECIAL PROTECTION INFORMATION

Respirator Protection: None expected to be needed.

Ventilation: Local exhaust - normal

Mechanical (General) - normal

Protective Gloves: Not needed under normal use; can use rubber, butyl, or PVC gloves if desired.

Eye Protection: Goggles advised to protect against splashing.

Other Protective Equipment: None needed

## SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing:

None necessary, except avoid freezing (30°F) or high temperatures (> 150°F).

Keep container closed to avoid evaporation.

Other precautions: NE

NE = not established NA = not applicable

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