



## SAFETY DATA SHEET

### SECTION 1: Product and Company Identification

**Product Name:** OPTION 1  
**Recommended Use:** Water-based, light to moderate duty synthetic metal working and cutting fluid

**Manufacturer Information:**

Relton Corporation-Chemical Division  
317 Rolyn Place  
Arcadia, CA 91007-2838

**Phone:** (800)-423-1505  
**Emergency Number (24 hours):**  
CHEMTREC 800-424-9300

### SECTION 2: Hazards Identification

**GHS Classification:** Acute toxicity, Category 4, Oral H302

**GHS Label Elements:**



**Signal Word:** Warning

**Hazard Statements:**  
H302 Harmful if swallowed

**Precautionary Statements**

P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P301+P312+P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

**Storage:** Store away from incompatible materials.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazards not otherwise classified (HNOC):** Not listed

### SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS#	%*
Triethanolamine	102-71-6	5-10
Polypropylene glycol	25322-69-4	5-10

\*The remaining ingredients are considered non hazardous or are below reporting levels

\*The exact percentage of composition has been withheld as a trade secret

#### SECTION 4: First Aid Measures

<b>Inhalation:</b>	Remove individual to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult give oxygen.
<b>Skin Contact:</b>	Flush the affected area with water for 15 minutes minimum. Remove exposed or contaminated clothing and shoes. Wash contaminated clothing before reuse. Seek medical attention if irritation develops.
<b>Eye Contact:</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Seek medical attention if irritation develops and persists.
<b>Ingestion:</b>	Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.
<b>Most important symptoms acute or delayed:</b>	Not available
<b>Recommendations for immediate medical care and special treatment:</b>	Not available

#### SECTION 5: Fire Fighting Measures

<b>Suitable extinguishing media:</b>	Slightly combustible. Use carbon dioxide, extinguishing powder or foam. Avoid water spray.
<b>Unsuitable extinguishing media:</b>	Not available
<b>Specific hazards arising during fire:</b>	May include carbon monoxide, carbon dioxide, and oxides of nitrogen
<b>Firefighting equipment:</b>	Firefighters should wear suitable protective equipment
<b>Firefighting instructions:</b>	Evacuate personnel to a safe area. Firefighters should use self contained breathing equipment and protective clothing. Keep containers cool with water spray.

#### SECTION 6: Accidental Release Measures

<b>Personal Precautions:</b>	Wear appropriate protective equipment and clothing during clean up. Keep unprotected persons away.
<b>Environmental Precautions</b>	Do not allow product to enter sewers, surface or ground waters.
<b>Methods and materials for containment and cleanup:</b>	Contain and recover liquid when possible. Absorb with suitable absorbent and place in a chemical waste container for proper disposal (see Section 13, Disposal Considerations).

#### SECTION 7: Handling and Storage

<b>Precautions for safe handling:</b>	As with all chemical products, avoid contact and wash thoroughly after handling. Do not eat, drink or smoke while using this product. Use only in well-ventilated areas. Remove contaminated clothing and protective equipment before entering eating areas.
<b>Conditions for safe storage including incompatibilities:</b>	All personnel who handle this product should be trained in its safe handling. Store tightly closed in cool, dry, ventilated area. Keep out of direct sunlight and away from heat and incompatible materials. Avoid contact with acids, oxidizing agents, caustics and nitrites.

**SECTION 8: Exposure Controls/Personal Protection****Exposure limit values**

Component	CAS#	List	Type	Value
Polypropylene glycol	25322-69-4	WEEL	TWA	10mg/m3 (Aerosol)
Triethanolamine	102-71-6	ACGIH TLV	TWA	5 mg/m3

**Appropriate Engineering Controls:** Provide sufficient mechanical (general/and or local exhaust) ventilation to maintain exposure below exposure guidelines, if applicable, or below levels that cause known, suspected, or adverse effects.

**Personal Protective Measures**

**Eye/face protection:** Use chemical goggles or full face shield.

**Hand protection:** Use chemically-resistant gloves.

**Respiratory protection:** Not required under normal conditions of use. If airborne concentrations exceed applicable exposure limits, use NIOSH approved respiratory protection.

**Thermal hazards:** Not available

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice. Eyewash station and safety shower should be in vicinity of work area.

**SECTION 9: Physical and Chemical Properties**

<b>Appearance:</b>	Blue green liquid
<b>Odor:</b>	Slight
<b>Odor threshold:</b>	Not available
<b>pH:</b>	7-8
<b>Solubility in water:</b>	Insoluble
<b>Viscosity:</b>	Not available
<b>Specific Gravity @ 70° F:</b>	1.01
<b>Melting point:</b>	Not available
<b>Freezing point:</b>	Not available
<b>VOC Content (ASTM E-1868-10):</b>	22.0 g/L AQMD SUPER COMPLIANT AT RECOMMENDED DILUTIONS
<b>Initial boiling point and boiling range:</b>	Not available
<b>Flash point:</b>	Not determined
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Upper/Lower flammability or explosive limits (%)</b>	
<b>Flammability limit-lower:</b>	Not available
<b>Flammability limit-upper:</b>	Not available
<b>Explosive limit-lower:</b>	Not available
<b>Explosive limit-upper:</b>	Not available
<b>Vapor pressure:</b>	Not determined
<b>Vapor density</b>	Heavier than air
<b>Partition coefficient (octanol:water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available

**SECTION 10: Stability and Reactivity**

<b>Reactivity:</b>	No reactivity hazards are known.
<b>Chemical Stability:</b>	Material is stable under normal conditions of storage and handling.
<b>Possibility of hazardous reactions:</b>	No hazardous reactions are known under normal conditions of use.
<b>Conditions to avoid:</b>	Keep away from heat, sparks, open flames. Protect from freezing.
<b>Materials to avoid:</b>	Do not store with strong oxidizing agents. Keep away from heat, sparks, open flames, or all sources of ignition. Do not mix product with nitrites as carcinogenic nitrosamines may be formed
<b>Hazardous decomposition products:</b>	May include carbon monoxide, carbon dioxide, and oxides of nitrogen

**SECTION 11: Toxicological Information****Acute Toxicity:**

Test	Species	Test Results
Triethanolamine (102-71-6)		
Dermal Acute LD 50	Rabbit	>2000 mg/kg
Oral Acute LD 50	Guinea pig Rat	5300 mg/kg 8 g/kg
Polyglycols (Typical for this family of materials):		
Oral Acute LD 50	Rat	1,000-2000mg/kg, estimated

<b>Skin:</b>	May cause minor skin irritation.
<b>Eyes:</b>	Causes eye irritation.
<b>Inhalation:</b>	May cause mild irritation of the respiratory tract with prolonged exposure.
<b>Ingestion:</b>	Ingestion may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.

**Delayed and immediate effects of exposure:**

Not available.

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed
Acute toxicity (dermal)	Not classified	Not applicable
Acute toxicity (inhalation)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
STOT -single exposure	Not classified	Not applicable
STOT-repeated exposure	Not classified	Not applicable
Serious eye damage/eye irritation	Not classified	Not classified
Respiratory sensitization	Not classified	Not applicable
Skin sensitization	Not classified	Not classified
Carcinogenicity	Not classified	Not applicable
Aspiration hazard	Not classified	Not applicable
Reproductive toxicity	Not classified	Not applicable

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Triethanolamine (CAS 102-71-6)

3. Not classifiable as to carcinogenicity to humans

**SECTION 12: Ecological Information**

**Ecotoxicity:** Not expected to cause serious aquatic toxicity. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Ingredient	CAS No.	Fish	Algae/Aquatic plants	Crustacea
Triethanolamine	102-71-6	10600 - 13000: 96 h Pinephales promelas mg/L LC50 flow-through	169: 96 h Desmodesmus subspicatus mg/L EC50 216: 72 h Desmodesmus subspicatus mg/L	1386: 24 h Daphnia magna mg/L EC50
For polyether polyol		Acute and Prolonged Toxicity to Fish LC50: > 100 mg/l (Poecilia reticulata (guppy), 96hours	Toxicity to Aquatic Plants EC0: >= 100 mg/l, (Desmodesmus subspicatus (green algae), 72h	Acute Toxicity to Aquatic Invertebrates EC50: > 100 mg/l (Daphnia magna (Water Flea) 48 hours

**Bioaccumulation potential:** Not available.

**Mobility:** Not available.

**Other adverse effects:** Not available.

**SECTION 13: Disposal Considerations**

**Disposal instructions:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Disposal of contaminated containers or packaging:** Dispose of as unused product.

**SECTION 14: Transportation Information**

**DOT** Not regulated as dangerous goods

**IATA** Not regulated as dangerous goods

**IMDG** Not regulated as dangerous goods

**SECTION 15: Regulatory Information**

**Toxic Substances Control Act (TSCA):** All components of this product are on the TSCA Inventory or are exempt from reporting requirements.

**SARA 302 Extremely Hazardous Substances:** No

**SARA 311/312 Classification:**

<b>Immediate hazard</b>	Yes
<b>Delayed hazard</b>	Yes
<b>Fire hazard</b>	No
<b>Reactive hazard</b>	No
<b>Pressure hazard</b>	No

**SARA 313 Components:** No

**California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):**

Diethanolamine (<0.095%) is on the list of chemicals known to the State of California to cause cancer.  
For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**HMIS Information:**

Health	1
Flammability	0
Reactivity	1
Personal Protection	B

**NFPA Information:**



**SECTION 16: Other Information**

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