



SAFETY DATA SHEET

SECTION 1: Product and Company Identification

Product Name: OPTION 1
Recommended Use: Water-based, 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.
P501 Dispose of contents and/or container to an approved waste disposal plant.

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

Inhalation:	Remove individual to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult give oxygen.
Skin Contact:	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.
Eye Contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.
Ingestion:	Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.
Most important symptoms acute or delayed:	Not available
Recommendations for immediate medical care and special treatment:	Not available

SECTION 5: Fire Fighting Measures

Suitable extinguishing media:	Slightly combustible. Use carbon dioxide, extinguishing powder or foam. Avoid water spray.
Unsuitable extinguishing media:	Not available
Specific hazards arising during fire:	May include carbon monoxide, carbon dioxide, and oxides of nitrogen
Firefighting equipment:	Firefighters should wear suitable protective equipment
Firefighting instructions:	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

Personal Precautions:	Wear appropriate protective equipment and clothing during clean up. Keep unprotected persons away.
Environmental Precautions	Do not allow product to enter sewers, surface or ground waters.
Methods and materials for containment and cleanup:	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

Precautions for safe handling:	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. Pregnant or breast-feeding women must not handle this product.
Conditions for safe storage including incompatibilities:	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, and caustics.

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

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

SECTION 10: Stability and Reactivity

Reactivity:	No reactivity hazards are known.
Chemical Stability:	Material is stable under normal conditions of storage and handling.
Possibility of hazardous reactions:	No hazardous reactions are known under normal conditions of use.
Conditions to avoid:	Keep away from heat, sparks, open flames. Protect from freezing.
Materials to avoid:	Do not store with strong oxidizing agents. Keep away from heat, sparks, open flames, or all sources of ignition.
Hazardous decomposition products:	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	>20000 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

Skin:	May cause minor skin irritation.
Eyes:	Causes eye irritation.
Inhalation:	May cause mild irritation of the respiratory tract with prolonged exposure.
Ingestion:	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.

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 Pimephales promelas mg/L LC50 flow-through	169: 96 h Desmodemus subspicatus mg/L EC50 216: 72 h Desmodemus subspicatus mg/L	1386: 24 h Daphnia magna mg/L EC50

Bioaccumulation potential: Not available.

Mobility: Not available.

Other adverse effects: Not available.

SECTION 13: Disposal Considerations

Disposal instructions: Waste disposal must be in accordance with appropriate US Federal, State and Local 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:

Immediate hazard	Yes
Delayed hazard	Yes
Fire hazard	No
Reactive hazard	No
Pressure hazard	No

SARA 313 Components: No

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

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm

HMIS Information:

Health	1
Flammability	0
Reactivity	1
Personal Protection	B

NFPA Information:



SECTION 16: Other Information

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