



Medical Chemical Corp.

19430 Van Ness Ave.

Torrance, CA 90501

Customer Service: Phone (310)787-6800

FAX (310)787-4464

CHEMTREC Emergency Response Telephone Number: (800)424-9300

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

## Section I - Product Identification

A solution of enzymes, isopropanol and low foaming surfactants in water.

## Section II - Hazards Identification

Overview: May be harmful if swallowed. May be irritating to skin eyes and respiratory tract.

### Safety Ratings

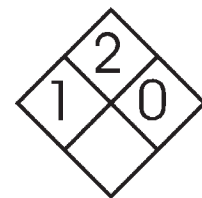
*Health:* Slight *Flammability:* Combustible liquid *Reactivity:* None *Contact:* Slight

Recommended safety equipment: safety goggles, lab coat and proper gloves

*Storage:* General storage

NFPA Ratings

Health = 1 Flammability = 2 Reactivity = 0



### Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other surfactants.

*Inhalation:* May be irritating.

*Ingestion:* While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

*Skin contact:* Not normally a problem.

*Eye contact:* May be irritating.

*Chronic Exposure:* Unknown.

*Aggravation of preexisting conditions:* Unknown.

## Section III - Composition/Information on Components

| Ingredients | CAS#      | OSHA Pel      | ACGIH TLV              | Other Limits | %       |
|-------------|-----------|---------------|------------------------|--------------|---------|
| Isopropanol | 67-63-0   | 400 ppm (TWA) | 400 ppm (TWA)          |              | 10% v/v |
| Subtilisin  | 9014-01-1 | -----         | 0.06 ug/m <sup>3</sup> |              | < 1%    |

## Section IV - First Aid Measures

*Inhalation:* Remove from source of exposure and get medical attention for any breathing difficulty.

*Ingestion:* If the victim is conscious, induce vomiting. Never give anything by mouth to an unconscious person.

*Skin Contact:* Not normally an issue. In case of irritation, Wash affected area with soap and water. Get medical advice if irritation continues.

*Eye Contact:* Rinse thoroughly with running water. Get medical advice if irritation develops.

---

## Section V - Fire Fighting Measures

*Flash point:* 15°C (102°F) TCC

*Flammable Limits (Isopropanol):* LEL 2% UEL 13%

*Fire:* Not normally a fire Hazard,

*Explosion:* Not Normally an explosion hazards.

*Fire Extinguishing Media:* Alcohol type foam, carbon dioxide or dry chemical. Water is ineffective against alcohol fires but may be used to cool adjacent containers.

*Special information:* Pyrolysis will release toxic oxides such as carbon monoxide.

---

## Section VI - Accidental Release Measures

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal.

---

## Section VII - Handling and Storage

Store in a closed container, protected from freezing.

---

## Section VIII - Exposure Control/Personal Protection

*Airborne Exposure Limits:* See section III.

*Ventilation System:* Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

*Personal Respirator:* Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

*Skin protection:* Protective gloves are not required but recommended as part of good laboratory practice.

*Eye Protection:* Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

---

## Section IX - Physical and Chemical Properties

*Boiling Point:* 96°C

*Vapor pressure (mm Hg):* 20 @ 20°C

*Vapor Density (air = 1):* 0.6

*Appearance and Odor:* A clear blue liquid with a citrus odor.

*Density:* 0.985 g/ml

*Evaporation Rate (water = 1):* 1

*Solubility:* Infinitely miscible with water

---

## Section X - Stability and Reactivity

*Stability:* Freezes at low temperature.

*Hazardous Decomposition Products:* Nothing unusual.

*Hazardous polymerization:* Will not occur.

*Incompatibilities:* Nothing unusual.

*Conditions to avoid:* Excessive cold/heat and light.

---

## Section XI - Toxicological Information

None relating to normal exposure.

Cancer lists

| <u><i>Ingredient</i></u> | <u><i>Known Carcinogenicity?</i></u> | <u><i>NTP?</i></u> | <u><i>Anticipated?</i></u> | <u><i>IARC Category</i></u> |
|--------------------------|--------------------------------------|--------------------|----------------------------|-----------------------------|
| isopropanol              | no                                   | no                 | no                         | 3                           |

---

## Section XII - Ecological Information

*Environmental Fate:* Biodegradable

*Environmental Toxicity:* None

---

### Section XIII - Disposal Considerations

Not normally restricted but local governments may regulate the amount of isopropanol that may be flushed down drain. Insure compliance with all government regulation

---

### Section XIV - Transportation information

Not regulated.

---

### Section XV - Regulatory Information

#### Chemical Inventory Status

---

| <u>Ingredient</u> | <u>TSCA</u> | <u>EC</u> |
|-------------------|-------------|-----------|
| Isopropanol       | Yes         | Yes       |

#### Federal, State and International Regulations

---

| <u>Ingredient</u> | <u>SARA 302</u> | <u>SARA 313</u> | <u>RCRA</u> | <u>TSCA</u>     |                                              |
|-------------------|-----------------|-----------------|-------------|-----------------|----------------------------------------------|
|                   | <u>RQ</u>       | <u>TPQ</u>      | <u>List</u> | <u>Category</u> | <u>261.33</u> <u>8(D)</u> <u>Ca. Prop 65</u> |
| isopropanol       | No              | No              | Yes         | No              | No No No                                     |

Chemical Weapons Convention: No    TSCA 12(b): No    CDTA: Yes

SARA 311/312: Acute: No    Chronic: No    Fire: Yes

---

### Section XVI - Other Information

This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

Revision Date: May 8, 2014