

# Hand Sanitizer

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

TRADE NAME: Hand Sanitizer  
CHEMICAL FAMILY: Alcohol Blend  
DOT CLASSIFICATION: Not Regulated  
CAS NUMBER: N/A  
HAZARD RATING: 3 (Y) E  
UN NO: 1993 Flammable liquid

## SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

R10, R25 / 26 / 36 / 38 / 46  
EC CLASSIFICATION: F Xn Xi

| INGREDIENT  | PERCENT     | CAS NUMBER |
|---|-------------|------------|
| Dihydrogen monoxide   | Proprietary | 07732-18-5 |
| Propane-1,2,3-triol   | Proprietary | 56-81-5    |
| Ethyl Alcohol   | 70%         | 64-17-5    |
| Tris(2-hydroxyethyl) amine  | Proprietary | 102-71-6   |
| Parfum  | Proprietary | 100-09-4   |
| Polyoxymethylene (20) sobitan monolaurate                             | Proprietary | 9005-64-5  |
| 2-Propenoic acid, polymer with 2,2-bis(hydroxymethyl)propane-1,3-diol |             |            |
| 2-propenyl ether  | Proprietary | 9010-77-9  |

## SECTION 3. HAZARDS IDENTIFICATION

INGESTION: May be harmful if swallowed. Nausea with stomach aches.  
INHALATION: Trace component, residual monomer, and other organics may be irritating to eyes, skin, mucous membranes, respiratory tract and may produce symptoms of headache, nausea in poorly ventilated areas.  
SKIN CONTACT: Not expected to be problematic  
EYE CONTACT: Direct contact may be irritating to eyes and cause blurry vision  
FLAMMABILITY: Yes

## SECTION 4. FIRST AID MEASURES

INGESTION: Induce vomiting, give 2 glasses of water and consult a physician.  
INHALATION: Remove to fresh air. If irritation persists, seek medical attention. Seek immediate medical attention.  
SKIN CONTACT: Wash affected area thoroughly with mild soap and water. If irritation develops and persists, seek medical attention.  
EYE CONTACT: Immediately flush eyes for 15 minutes occasionally lifting eyelids. If victim wears contact lenses, remove lenses and continue rinsing. Obtain medical attention.

## SECTION 5. FIRE FIGHTING MEASURES

FIRE EXTINGUISHING MEDIA: Water spray, dry chemical or alcohol foam  
PROTECTIVE CLOTHING: Full protective clothing with self-contained breathing apparatus  
SPECIAL HAZARDS: Above flash point, vapor-air mixtures are explosive

## SECTION 6. ACCIDENTAL RELEASE MEASURES

SEE ALSO SECTION 5,8,13

SMALL SPILLS: Dispose in chemical water containers after covering with inert absorbent material and rinse spill area with fresh water.  
LARGE SPILLS: Contain and recover. Collect with inert material such as soil or sand, dispose in chemical waste containers and rinse spill area with fresh water.  
ENVIRONMENTAL PRECAUTIONS: Do not dispose to sewer or soil.  
PERSONAL PRECAUTIONS: Wear personal protective equipment.

## SECTION 7. HANDLING AND STORAGE

Keep away from ignition sources and heat. Keep in original containers.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Impervious protective gloves.  
OCCUPATION EXPOSURE LIMITS: Ethanol - 1000ppm TWA, Glutaral - 0.05ppm (TLV)  
EYE PROTECTION: Face shield if splashing probable  
PROTECTIVE GLOVES: Use gloves impervious to water and soap.  
SKIN PROTECTION: Boots, apron, overall, as necessary to prevent skin contact.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid  
APPEARANCE: Clear  
ODOUR: Alcohol  
BOILING POINT: N/A  
MELTING POINT: N/A  
FLASH POINT: 16 - 23°C  
FLAMMABILITY: Yes  
VAPOUR PRESSURE: N/A  
PH INFORMATION: 5.8 - 7.2  
VISCOSITY: 90 Ku - Gel  
11.8 - Liquid (Sheen 4 cup)  
SPECIFIC GRAVITY: 0.87 ± 0.01 - Gel and Liquid  
SOLUBILITY-WATER: Yes  
SOLUBILITY-SOLVENTS: N/A

## SECTION 10. STABILITY AND REACTIVITY

Hazardous decomposition products: Carbon monoxide and dioxide  
Conditions of materials to avoid: Light, heat and compatibilities  
Incompatible materials: Strong oxidizers, perchlorates, alkali metals, hydrogen peroxide

## SECTION 11. TOXICOLOGICAL INFORMATION

Skin and eye contact: Irritant

## SECTION 12. ECOLOGICAL INFORMATION

Biodegradable and toxic to fish when disposed into water.

## SECTION 13. DISPOSAL INFORMATION

Use reputable waste disposal contractors. Used containers to be destroyed. Handle as hazardous waste.

## SECTION 14. TRANSPORT INFORMATION

ROAD, AIR, SEA:  
CLASS: 3 Flammable  
PROPER SHIPPING NAME: Flammable liquid, NOS  
UN NUMBER: 1993  
PACKAGING GROUP: II

## **SECTION 15. REGULATORY INFORMATION**

EEC Classification: F Xn Xi  
S25 / S26  
S37 / 39 / 46  
R10  
R25 / 26 / 36/ 38 / 46

## **SECTION 16. OTHER INFORMATION**

If any discomfort occurs - seek medical advice.

