

Safety Data Sheet (SDS)

OSHA Hazard Communication Standard 29 CFR 1910.1200. (GHS)

HAND SANITIZER



Reviewed: 03/18/2020

1. Product and Company Identification

- **Product Identifier**
- **Recommended Use:** *Hand Sanitizer for hands, wrists, and forearms*
- **Restrictions of Use:** *Uses other than those stated*
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**

Emergency telephone number: 863-215-6699 (24-hr. service avail. during non-business hours)
Email:

2. Hazard(s) identification

- **Classification:** *This product is classified as hazardous according to 29 CFR 1910.1200*
- **Label Elements/Environmental Hazards**



GHS07 GHS02

H302	Harmful if Swallowed	
H319	Causes serious Eye Irritation	Category 2
H226	Flammable Liquid and Vapor	Category 3

· GHS Label Elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Precautionary Statements

Prevention:

P102	Keep out of reach of children
P103	Read label before use
P210	Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical, ventilating and lighting equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash hands thoroughly after handling
P280	Wear protective gloves, protective clothing, eye and face protection

Response:

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P313+P337	If eye irritation persists, seek medical advice/attention
P370+P378	In case of fire: use an ABC fire extinguisher to extinguish
Storage: P403+P235	Store in a well ventilated place. Keep cool
Disposal: P501	Dispose of contents/container in accordance with Local, State, Federal and International laws or regulations.

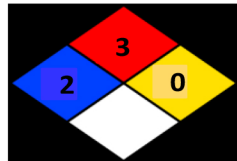
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- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 3
Reactivity = 0

- **HMIS III Ratings (scale 0 - 4)**

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PPE	B

- **Hazards not otherwise classified:** *None known*
- **Unknown Toxicity:** *No unknown toxicity substances in this mixture*

3. Composition/Information on Ingredients

Isopropanol	CAS #67-63-0	64-70%
Water, Glycerin, Trolamine		30-36%

- **Chemical Characterization: Mixtures**
- **Description:** Mixture of the substances listed above

4. First-Aid measures (of raw substances)

- **Description of First Aid Measures (symptoms and effects, both acute and delayed)**
- **General information:**
- **Skin contact:** Immediately wash skin with water and soap and rinse thoroughly. Remove any contaminated clothing and wash clothing before reuse. Prolonged or repeated contact may lead to skin irritation by dermatitis including swelling, redness, dryness, itching, and cracking. Harmful effects are not expected from short periods of contact. If irritation persists, seek medical attention.
- **Eye Contact:** Causes serious eye irritation to include redness and tearing. Corneal inflammation may occur. Flush opened eye for several minutes under running water. Remove any contact lenses and continue to flush eye. If symptoms persist, seek medical attention. Harmful effects are not expected from short periods of contact.
- **Ingestion:** Small amounts ingested incidentally as a result of normal handling operations are not likely to cause injury. Ingestion may cause gastrointestinal irritation, nausea and diarrhea. Product ingested in large quantities in concentrated form may cause toxic effects. **DO NOT INDUCE VOMITING** unless directed by a medical professional. Treat symptomatically. Never give anything by mouth to an unconscious person.
- **Inhalation:** Product is not likely to cause an inhalation hazard at normal temperatures and pressures. Inhalation of mist or spray may be harmful and may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit. Aspiration may cause pulmonary edema or aspiration pneumonia. Remove victim to fresh air. Obtain medical attention. Qualified personnel may give oxygen if breathing is difficult or cyanosis (blue discoloration of skin) is noted. Give artificial respiration if victim is not breathing.
- **Indication of any immediate medical attention and special treatment needed.**
If you feel unwell, seek medical advice/attention. Show physician SDS.

5. Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or universal-type foam.
- **Unsuitable extinguishing agents:**
High volume water jet

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- **Special hazards arising from chemical:** Pressure increases may cause container to burst and material may spatter.

6. Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** Wear protective clothing including gloves and eye protection when taking up spills. Eliminate any ignition sources. Evacuate untrained personnel.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Spill clean-up materials should be collected in appropriately labeled containers for disposal. Never return spills to original container for re-use.

7. Handling and Storage

- **Precautions for Safe Handling and Storage:**
Ensure good ventilation/exhaustion at the workplace. Keep away from heat and flame. Keep container tightly closed.
Product shelf life is best retained by storage between 20°C-32°C (68°F-90°F).
Prevent formation of aerosols.

8. Exposure Controls/Personal Protection

- **Occupational Exposure Limits/Standards:**
- **Components with limit values that require monitoring at the workplace:**

Chemical Name:	Type:	Limit Values:	Source:
ISOPROPANOL (CAS #67-63-0)	PEL	980 mg/m ³ (TWA)	OSHA Table Z-1
	REL	400 ppm (TWA)	NIOSH Pocket Guide to Chemical Hazards
	STEL	500 ppm	NIOSH Pocket Guide to Chemical Hazards

- **General Protective and Hygienic Measures:**
Do not eat, drink or smoke while using. Keep away from foodstuffs and beverages. Wash hands before/after breaks and at the end of the work day. Immediately remove all soiled and contaminated clothing and clean clothing before re-use. Avoid contact with the eyes and skin.

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- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter devise. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

- **Eye protection:**



Tightly sealed goggles

9. Physical and Chemical Properties

· Information on Basic Physical and Chemical Properties

· Appearance:	Water/Clear Gel/Liquid
· Odor:	Solvent like Odor
· Odor Threshold:	Not Determined
· pH-value:	Not Determined
· Change in Condition	
Melting point/Melting range:	Not Determined
Boiling point/Boiling range:	Not Determined
· Distillation Temperature (90%):	Not Determined
· Flash Point:	Not Determined
· Evaporation Point:	Not Determined
· Flammability (solid, gas):	Not Determined
· Decomposition Temperature:	Not Determined
· Auto igniting:	Not Determined
· Explosion Limits:	
Lower	Not Determined
Upper:	Not Determined
· Vapor Pressure:	Not Determined
· Density:	Not Determined
· Relative Density	Not Determined
· Vapor Density	Not Determined
· Solubility in/Miscibility with Water:	Not Determined
· Partition Coefficient (n-octanol/water):	Not Determined
· Viscosity:	
Dynamic:	Not Determined
Kinematic:	Not Determined

10. Stability and Reactivity

- Reactivity:** Non-reactive when used according to specifications
- Chemical stability:** Stable under normal ambient conditions
- Conditions to Avoid:** Avoid high heat, flames and sparks
- Possibility of Hazardous Reactions:** None under conditions of normal use
- Conditions to avoid:** No further relevant information available.
- Incompatible Materials:** Product is normally unreactive
- Hazardous Decomposition Products:** Burning can produce various oxides and vapors that are potentially dangerous to health

11. Toxicological Information

- Information on Toxicological Effects:**
- Acute toxicity:** Not Applicable
- Primary irritant effect:**
- Skin:** Irritant to skin and mucous membranes.
- Eye:** Irritating effect.
- Sensitization:** No sensitizing effects known.
- Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA
- Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects
- IARC (International Agency for Research on Cancer):** Not listed
- NTP (National Toxicology Program):** Not Listed

12. Ecological Information

- **Eco-toxicity:** No further relevant information available.
- **Persistence and Degradability:** No further relevant information available.
- **Bio-accumulative Potential:** No further relevant information available.
- **Mobility in Soil:** No further relevant information available.
- **Other Adverse Effects:** No further relevant information available.

13. Disposal considerations

- **Disposal Instructions:** Dispose of contents/container in accordance with appropriate Local, State, Federal, and International environmental control regulations.
- **Uncleaned Packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended Cleansing:** Water, if necessary with cleansing agents.

14. Transport information

	DOT	IMDG/IMO	IATA/ICAO
· UN-Number	UN1219	UN1219	UN1219
· UN Proper Shipping Name	Isopronol	Isopronol	Isopronol
· Transport Hazard Class(es)	Class 3	Class 3	Class 3
· Packing Group	III	III	III
· Environmental Hazards:			
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not Applicable		

15. Regulatory information

- **Safety, Health and Environmental Regulations/legislation Specific for the Substance or Mixture**
- **Sara 302/304: Not Regulated**
- **Section 313 (Specific toxic chemical listings): Not Regulated**
- **TSCA (Toxic Substances Control Act): Not Regulated**
- **Proposition 65: Not Regulated**
- **Chemicals known to cause cancer:**
No ingredients are listed
- **Chemicals known to cause developmental toxicity:**
No ingredients are listed
- **Carcinogenic Categories**
- **EPA (Environmental Protection Agency)**
No ingredients are listed
- **TLV (Threshold Limit Value established by ACGIH)**
No ingredients are listed
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
No ingredients are listed
- **OSHA-US (Occupational Safety & Health Administration)**
Specifically Regulated Substances (29 CFR 1910.1001.1052): **Not Regulated**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.