

## Safety Data Sheet Hand Sanitizer\*

IPA 75%

### 1. Identification

#### 1.1 Product identifier

**Product name** Hand Sanitizer\*  
IPA 75%

**Product code** 143710

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Hand sanitizer.

Per the Food and Drug Administration (FDA) "Policy for Temporary Compounding of Certain Alcohol-Based Hand Sanitizer Products During the Public Health Emergency Immediately in Effect Guidance for Industry."  
<https://www.fda.gov/media/136118/download>.

**Uses advised against** None known.

#### 1.3 Details of the supplier of the safety data sheet

**Supplier**  
M-I L.L.C. - Schlumberger Production Technologies  
P.O. Box 42842  
Houston, TX 77242  
Telephone: 1 281-561-1511  
[www.slb.com](http://www.slb.com)

**E-mail address** SDS@slb.com

**Prepared by**  
Global Regulatory Compliance - Chemicals (GRC - Chemicals)

#### 1.4 Emergency Telephone Number

**Emergency telephone** (24 Hour) Asia Pacific +65 3158 1074, Europe +44 (0) 1235 239 670, Middle East and Africa +44 (0) 1235 239 671, USA +1 281 561 1600, Canada +1 800 579 7421, Argentina: +54 11 5984 3690, Brazil : +55 11 3197 5891

### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

##### GHS - Classification

##### Health hazards

Serious eye damage/eye irritation	Category 2
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Specific target organ toxicity - Single exposure	Category 3 - (H336)
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**Environmental hazards** Not classified

**Physical Hazards**

Flammable Liquids	Category 2
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**2.2 Label elements**



**Signal word**

DANGER

**Hazard Statements**

H225 - Highly flammable liquid and vapor  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness

**Precautionary Statements**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P240 - Ground or bond container and receiving equipment  
P241 - Use explosion-proof electrical, ventilating, lighting, equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves, protective clothing, eye protection  
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a POISON CENTER or doctor if you feel unwell  
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents and container to an approved waste disposal plant

**Unknown acute toxicity** Not applicable.

### 3. Composition/information on Ingredients

**3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical Name	CAS No	Weight-%
Propan-2-ol	67-63-0	75

1, 2, 3 - Propanetriol	56-81-5	1.45
Hydrogen Peroxide	7722-84-1	0.18

**Comments**

The product contains other ingredients which do not contribute to the overall classification.

## 4. First Aid Measures

### 4.1 First aid measures

<b>Inhalation</b>	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice. Risk of product entering the lungs on vomiting after ingestion. Never give anything by mouth to an unconscious person. Seek medical attention if irritation occurs.
<b>Skin contact</b>	None under normal use conditions. If skin irritation occurs: Get medical attention.
<b>Eye Contact</b>	Promptly wash eyes with lots of water while lifting eye lids. Remove contact lenses, if worn. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>General advice</b>	The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop, the casualty should be transferred to hospital as soon as possible.
<b>Symptoms</b>	
<b>Inhalation</b>	Irritating to respiratory system. May cause drowsiness or dizziness. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Skin contact</b>	Prolonged contact may cause redness and irritation.
<b>Eye contact</b>	Causes serious eye irritation. May cause redness, itching, and pain.

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	Treat symptomatically
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## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or foam.

#### **Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Special hazards arising from the substance or mixture

**Unusual fire and explosion hazards**

Flammable liquid. Vapors are heavier than air and may spread along floors. Vapors may travel considerable distance to source of ignition and flash back.

**Hazardous combustion products**

Carbon oxides (COx).

**5.3 Advice for firefighters****Special Fire-Fighting Procedures**

Containers close to fire should be removed immediately or cooled with water.

**6. Accidental Release Measures****6.1. Personal precautions, protective equipment and emergency procedures**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. If spilled, take caution, as material can cause surfaces to become very slippery. Evacuate personnel to safe areas. Use personal protective equipment. See also section 8.

**6.2 Environmental precautions**

The product should not be allowed to enter drains, water courses or the soil.

**Environmental exposure controls**

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

**6.3 Methods and material for containment and cleaning up****Methods for containment**

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use clean non-sparking tools to collect absorbed material. Ground and bond containers when transferring material. After cleaning, flush away traces with water.

**6.4 Reference to other sections**

See section 13 for more information.

**7. Handling and Storage****7.1 Precautions for safe handling****Handling**

Keep away from heat, sparks and open flame. No smoking. Avoid breathing vapors or mists. Avoid contact with eyes. Avoid spills and splashing during use.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures/precautions** Ensure adequate ventilation. Keep airborne concentrations below exposure limits. Take precautionary measures against static discharges.

**Storage precautions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid contact with: Strong oxidizing agents.

**Packaging materials** Use specially constructed containers only.

**8. Exposure Controls/Personal Protection**

**8.1 Control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	Argentina - Occupational Exposure Limits - TWAs (CMPs)	Brazil - Occupational Exposure Limits - TWAs (LTs)	Mexico - Occupational Exposure Limits - TWAs (LMPE-PPTs)
Propan-2-ol	200 ppm	400 ppm TWA 980 mg/m <sup>3</sup> TWA	400 ppm TWA	310 ppm TWA LT; 765 mg/m <sup>3</sup> TWA LT	200 ppm TWA VLE-PPT
1, 2, 3 - Propanetriol	Not determined	15 mg/m <sup>3</sup> TWA 5 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	Not determined	10 mg/m <sup>3</sup> TWA VLE-PPT (mist)
Hydrogen Peroxide	1 ppm	1 ppm; 1.4 mg/m <sup>3</sup>	1 ppm TWA	Not determined	1 ppm TWA VLE-PPT

**IDLH (Immediately Dangerous to Life or Health)**

This product contains substance(s) classified as Immediately Dangerous to Life or Health (IDLH) by the US National Institute for Occupational Safety and Health (NIOSH). The purpose of establishing an IDLH value is to ensure that the worker can escape from a given contaminated environment in the event of failure of the most protective respiratory protection equipment. In the event of failure of respiratory protection equipment every effort should be made to exit immediately.

Chemical Name	IDLH (Immediately Dangerous to Life or Health)
Propan-2-ol 67-63-0	2000 ppm IDLH (10% LEL)
1, 2, 3 - Propanetriol 56-81-5	-
Hydrogen Peroxide 7722-84-1	75 ppm IDLH

**8.2 Exposure controls**

A risk assessment is recommended to be performed by a qualified and trained personnel to analyze the worksite and recommends the appropriate controls such as engineering controls, work practice controls, and administrative controls as primary means of reducing employee exposure. When there is a remaining hazards after applying the primary controls, Personal Protective Equipment (PPE) must be used.

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

**Engineering Controls**

Ensure adequate ventilation. Provide mechanical general and/or local exhaust ventilation to prevent release of vapor or mist into work environment.

**Personal protective equipment****Eye protection**

Tightly fitting safety goggles.

**Hand protection**

Repeated or prolonged contact Wear protective gloves

**Respiratory Protection**

All respiratory protection equipment should be used within a comprehensive respiratory protection program that meets the requirements of 29 CFR 1910.134 (U.S. OSHA Respiratory Protection Standard) or local equivalent. If exposed to airborne mist/aerosol of this product, use an organic vapor cartridge with a P-95 pre-filter attached. In work environments containing oil mist/aerosol, use an organic vapor cartridge with a P-95 pre-filter attached. If exposed to vapors from this product, use a NIOSH/MSHA-approved respirator with an organic vapor cartridge.

**Skin and body protection**

Wear suitable protective clothing, Eye wash and emergency shower must be available at the work place.

**Hygiene Measures**

Wash hands before eating, drinking or smoking, Remove and wash contaminated clothing before re-use.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Color	Colorless
Odor	Alcohol
Odor threshold	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH		
pH @ dilution	6.10	10% solution
Melting point		
Boiling point	82.5 °C / 180.5 °F	
Flash point	17 °C / 62.6 °F	PMCC
Evaporation rate (BuAc =1)	No information available	
Flammability (solid, gas)	Not applicable	
Flammability Limit in Air		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific gravity	0.85	
Bulk density	No information available	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Partition Coefficient (n-octanol/water)	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

### 9.2 Other information

Pour point	< -30 °C / -22 °F
Molecular weight	No information available
VOC content(%)	No information available
Density	No information available

#### Comments

The data listed above are typical physical and chemical properties and should not be construed as product specification.

## 10. Stability and Reactivity

### 10.1 Reactivity

No specific reactivity hazards associated with this product.

### 10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3 Possibility of Hazardous Reactions

#### Hazardous polymerization

Hazardous polymerization does not occur.

**10.4 Conditions to avoid**

Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.

**10.5 Incompatible materials**

Strong oxidizing agents. Strong acids. Alkali metals. Amines. Aluminum. Iron.

**10.6 Hazardous decomposition products**

See Section 5.2.

## 11. Toxicological Information

**11.1 Information on toxicological effects****Acute toxicity****Product information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation**

Irritating to respiratory system. May cause drowsiness or dizziness. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

**Eye contact**

Causes serious eye irritation.

**Skin contact**

Prolonged contact may cause redness and irritation.

**Ingestion**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause additional effects as listed under "Inhalation".

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propan-2-ol	4700 mg/kg (rat)	4059 mg/kg (Rabbit)	No data available
1, 2, 3 - Propanetriol	12600 mg/kg (rat)	No data available	No data available
Hydrogen Peroxide	1518 mg/kg (rat)	9200 mg/kg (Rabbit)	No data available

Chemical Name	IARC Group 1 or 2	ACGIH - Carcinogens	OSHA listed carcinogens	NTP
Propan-2-ol	No data available	A4 Not Classifiable as a Human Carcinogen	No data available	No data available
1, 2, 3 - Propanetriol	No data available	No data available	No data available	No data available
Hydrogen Peroxide	No data available	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	No data available	No data available

**Delayed and immediate effects and chronic effects from short and long term exposure****Sensitization**

This product does not contain any components suspected to be sensitizing.

**Mutagenic effects**

This product does not contain any known or suspected mutagens.

**Carcinogenicity**

This product does not contain any known or suspected carcinogens.

**Reproductive toxicity**

This product does not contain any known or suspected reproductive hazards.

<b>Developmental toxicity</b>	Not known to cause birth defects or have a deleterious effect on a developing fetus.
<b>Routes of Exposure</b>	Ingestion. Inhalation. Eye contact. Skin contact.
<b>Routes of entry</b>	Ingestion. Inhalation. Eye contact.
<b>Specific target organ toxicity - Single exposure</b>	Category 3
<b>Specific target organ toxicity - Repeated exposure</b>	Not classified.
<b>Target organ effects</b>	Central nervous system.
<b>Aspiration hazard</b>	Not applicable.

## 12. Ecological Information

### 12.1 Toxicity

#### Toxicity to algae

See component information below.

#### Toxicity to fish

See component information below.

#### Toxicity to daphnia and other aquatic invertebrates

See component information below.

Chemical Name	Toxicity to fish	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates
Propan-2-ol	> 1400000 µg/L LC50 Lepomis macrochirus 96 h = 11130 mg/L LC50 Pimephales promelas 96 h = 9640 mg/L LC50 Pimephales promelas 96 h	> 1000 mg/L EC50 Desmodesmus subspicatus 96 h > 1000 mg/L EC50 Desmodesmus subspicatus 72 h	= 13299 mg/L EC50 Daphnia magna 48 h
1, 2, 3 - Propanetriol	51 - 57 mL/L LC50 Oncorhynchus mykiss 96 h	No information available	> 500 mg/L EC50 Daphnia magna 24 h
Hydrogen Peroxide	10.0 - 32.0 mg/L LC50 Oncorhynchus mykiss 96 h 18 - 56 mg/L LC50 Lepomis macrochirus 96 h = 16.4 mg/L LC50 Pimephales promelas 96 h	= 2.5 mg/L EC50 Chlorella vulgaris 72 h	= 7.7 mg/L EC50 Daphnia magna 24 h 18 - 32 mg/L EC50 Daphnia magna 48 h

### 12.2 Persistence and degradability

No product level data available.

### 12.3 Bioaccumulative potential

No product level data available.

### 12.4 Mobility

No information available.

### 12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)  
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)



**12.6 Other adverse effects.**

None known.

**13. Disposal Considerations****13.1 Waste treatment methods**

<b>Disposal Method</b>	Disposal should be made in accordance with federal, state and local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal. Empty containers may contain flammable or explosive vapors. Do not burn, or use a cutting torch on, the empty drum.

**14. Transport information**

US DOT has issued a temporary relief notice for companies shipping hand sanitizers used for sanitation purposes, for shipment by road within the USA.

The policy with additional guidance is at

<https://www.phmsa.dot.gov/news/phmsa-issues-temporary-relief-companies-transporting-hand-sanitizer-highway>.

**14.1. UN number**

<b>UN No. (DOT)</b>	UN1219
<b>UN No. (MT/ANTT)</b>	UN1219
<b>UN No. (TDG)</b>	UN1219
<b>UN/ID No. (ADR/RID/ADN/ADG)</b>	UN1219
<b>UN No. (IMDG/ANTAQ)</b>	UN1219
<b>UN No. (ICAO/ANAC)</b>	UN1219
<b>UN No. (DPC)</b>	UN1219

**14.2. UN proper shipping name**

ISOPROPANOL SOLUTION,

**14.3 Hazard class(es)**

<b>DOT Hazard class</b>	3
<b>ANTT Hazard class</b>	3
<b>TDG Hazard class</b>	3
<b>ADR/RID/ADN/ADG Hazard class</b>	3
<b>IMDG/ANTAQ Hazard class</b>	3
<b>ICAO/ANAC Hazard class/division</b>	3
<b>DPC Hazard class</b>	3

**14.4 Packing group**

<b>DOT Packing group</b>	II
<b>ANTT Packing group</b>	II
<b>TDG Packing group</b>	II
<b>ADR/RID/ADN/ADG Packing group</b>	II
<b>IMDG/ANTAQ Packing group</b>	II
<b>ICAO/ANAC Packing group</b>	II
<b>DPC Packing group</b>	II

**14.5 Environmental hazard**

No

**14.6 Special precautions**

Not applicable

## 15. Regulatory Information

**International inventories**

USA (TSCA)	Complies
Canada (DSL)	Complies
Philippines (PICCS)	Complies
Japan (ENCS)	Complies
China (IECSC)	Complies
Australia (AICS)	Complies
Korean (KECL)	Complies
New Zealand (NZIoC)	Complies

**Europe - REACH**

All products supplied from the European Economic Area (EEA) are compliant with the REACH Regulation EC 1907/2006. For products supplied from the EEA, Schlumberger and/or its suppliers have pre-registered and is registering all of the substances that it and/or its suppliers manufactures in or imports into the EEA that are subject to Title II of the REACH Regulation. All products supplied from outside the EEA are subject to REACH only if imported into the EEA. The importer of the products must comply with REACH for each imported substance. Contact REACH@slb.com for REACH information.

**U.S. Federal and State Regulations****SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

Chemical Name	SARA 302 / TPQs	SARA 313	CERCLA RQ
Propan-2-ol	N/A	1.0 %	N/A
1, 2, 3 - Propanetriol	N/A	N/A	N/A
Hydrogen Peroxide	1000 lb TPQ	N/A	N/A

**California Proposition 65**

This product does not contain chemical[s] which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 16. Other Information

**Revision date** 10/Apr/2020

**Version** 1

**This SDS has been revised in the following section(s)** New issue.

**HMIS classification**

Health	2
Flammability	3
Physical hazard	0
PPE	B

N/A - Not Applicable, N/D - Not Determined.

**Disclaimer**

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