

**Attachment E – Hand Sanitizer SDS Documents**  
**RFX No.: 3000021913 Title: \*Mand.SiteVisit\* PPE Disposal**

**Product Number:** 370AB  
**Issuing Date:** September 4, 2014

**Product Name:** Uline Hand Sanitizer  
**Revision Date:** August 22, 2019

**Revision Number:** 0

## Safety Data Sheet

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** Uline Hand Sanitizer

**Other means of identification**

**Synonyms** N/A

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Hand sanitizer

**Uses advised against** Use only as directed.

**Details of the supplier of the safety data sheet**

**Distributor Name** Uline Shipping Supplies

**Distributor Address** 12575 Uline Drive  
Pleasant Prairie,  
WI  
53158  
USA

**Supplier Phone Number** Phone: 1-800-295-5510

**Emergency telephone number** Chemtrec: 1-800-424-9300 (24-Hour)

Product Number: 370AB  
Issuing Date: September 4, 2014

Product Name: Uline Hand Sanitizer  
Revision Date: August 22, 2019

Revision Number: 0

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Flammable liquids

Category 2

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal word: **Danger**

Highly flammable liquid and vapor



**Appearance:** Clear to Slightly Hazy,  
Colorless, Viscous Liquid

**Physical state:** Viscous Liquid

**Odor:** Alcohol, Sweet, Light Floral

#### **Precautionary Statements - Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Use explosion-proof electrical/ ventilating/ lighting/ equipment  
Wear protective gloves/protective clothing/eye protection/face protection

#### **Precautionary Statements - Response**

##### **Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

##### **Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Hazards not otherwise classified (HNOC)**

Not applicable

#### **Unknown Toxicity**

0 % of the mixture consists of ingredient(s) of unknown toxicity

#### **Other information**

Toxic to aquatic life

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

May cause slight eye irritation

#### **Interactions with Other Chemicals**

No information available.

Product Number: 370AB  
Issuing Date: September 4, 2014

Product Name: Uline Hand Sanitizer  
Revision Date: August 22, 2019  
Revision Number: 0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%	Trade Secret
Ethyl Alcohol 70% v/v	64-17-5	50 - 100	*
Water	7732-18-5	10 - 50	*
Glyceryl Caprylate/Caprata	91744-32-0	0 - 10	*
Glycerin	56-81-5	0 - 10	*
Isopropyl Myristate	110-27-0	0 - 10	*
Tocopheryl Acetate	10191-41-0	0 - 10	*
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Proprietary	0 - 10	*
Fragrance	Proprietary	0 - 10	*
Benzophenone-4	4065-45-6	0 - 10	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

#### First aid measures

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.
<b>Ingestion</b>	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

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

**Most Important Symptoms and Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Water spray, fog or alcohol-resistant foam. Use water spray or fog; do not use straight streams.

#### Unsuitable extinguishing media

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

Vapors can form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

**Uniform Fire Code** Flammable Liquid: I-B

#### Hazardous Combustion Products

Carbon oxides.

#### Explosion Data

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

#### Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

### Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for containment** A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Avoid contact with skin, eyes or clothing. Avoid contact with skin and eyes.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      Tight sealing safety goggles.

**Skin and body protection**                Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.

**Respiratory protection**                    No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**                         Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical state</b>	Viscous Liquid		
<b>Appearance</b>	Clear to Slightly Hazy, Colorless, Viscous Liquid	<b>Odor</b>	Alcohol, Sweet, Light Floral
<b>Color</b>	Colorless	<b>Odor Threshold</b>	No data available
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks</u></b>	<b><u>Method</u></b>
pH	7.1		
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	78 °C / 172 °F		
<b>Flash Point</b>	22 C / 72 F		
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	.88		
<b>Water Solubility</b>	Miscible in water		
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	0		
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	No data available	None known	
<b>Explosive properties</b>	No data available		
<b>Oxidizing properties</b>	No data available		
<b><u>Other Information</u></b>			
<b>Softening Point</b>	No data available		
<b>VOC Content (%)</b>	No data available		
<b>Particle Size</b>	No data available		
<b>Particle Size Distribution</b>	No data available		

Product Number: 370AB  
Issuing Date: September 4, 2014

Product Name: Uline Hand Sanitizer  
Revision Date: August 22, 2019

Revision Number: 0

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

None known.

### Hazardous Decomposition Products

Carbon oxides.

When used in accordance with the directions.

## 11. TOXICOLOGICAL INFORMATION

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Glycerin 56-81-5	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Isopropyl Myristate 110-27-0	> 10000 mg/kg ( Rat )	= 5 g/kg ( Rabbit )	> 41 mg/L ( Rat ) 1 h
Tocopheryl Acetate 10191-41-0	> 4000 mg/kg ( Rat )	> 3000 mg/kg ( Rat )	-
Benzophenone-4 4065-45-6	= 3530 mg/kg ( Rat )	-	-

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies **ONLY** when consumed as alcoholic beverage.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3 - Animal Carcinogen	Group 1 - Carcinogenic to Humans	Known - Known Carcinogen	X - Present

**Product Number:** 370AB  
**Issuing Date:** September 4, 2014

**Revision Date:** August 22, 2019

**Product Name:** Uline Hand Sanitizer  
**Revision Number:** 0

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied. Carcinogenic potential is unknown.
<b>Target Organ Effects</b>	Blood. Central Nervous System (CNS). Eyes. Kidney. Liver. Reproductive System. Respiratory system. Skin.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**  
11,047.30 mg/kg  
**ATEmix (inhalation-dust/mist)**  
196.90 mg/l

## 12. ECOLOGICAL INFORMATION

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

<b>Disposal methods</b>	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
<b>Contaminated Packaging</b>	Dispose of in accordance with federal, state and local regulations.
<b>US EPA Waste Number</b>	D001
<b>California Waste Codes</b>	311

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Product Number: 370AB  
Issuing Date: September 4, 2014

Product Name: Uline Hand Sanitizer  
Revision Date: August 22, 2019  
Revision Number: 0

## 14. TRANSPORT INFORMATION

### DOT

Proper Shipping Name CONSUMER COMMODITY  
Hazard Class ORM-D  
Description CONSUMER COMMODITY, ORM-D  
Emergency Response Guide Number 127

### TDG

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
Description UN1170, ETHANOL SOLUTION, 3, III

### MEX

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
Description UN1170, ETHANOL SOLUTION, 3, III

### ICAO

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
Description UN1170, ETHANOL SOLUTION, 3, III

### IATA

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
ERG Code 3L  
Description UN1170, ETHANOL SOLUTION, 3, III

### IMDG/IMO

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
EmS-No. F-E, S-D  
Description UN1170, ETHANOL SOLUTION, 3, III, (22°C C.C.)

### RID

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
Classification code F1  
Description UN1170, ETHANOL SOLUTION, 3, III  
ADR/RID-Labels 3



Product Number: 370AB  
Issuing Date: September 4, 2014

Product Name: Uline Hand Sanitizer  
Revision Date: August 22, 2019

Revision Number: 0

**ADR**

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
Classification code F1  
Tunnel restriction code (D/E)  
Description UN1170, ETHANOL SOLUTION, 3, III, (D/E)

**ADN**

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
Classification code F1  
Special Provisions 144, 601  
Description UN1170, ETHANOL SOLUTION, 3, III  
Hazard Labels 3  
Limited Quantity 5 L  
Ventilation VE01

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Not determined  
DSL Not determined  
IECSC

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**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.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65 - NONE**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl Alcohol 64-17-5	X	X	X		X
Glycerin 56-81-5	X	X	X	X	

Product Number: 370AB  
Issuing Date: September 4, 2014

Product Name: Uline Hand Sanitizer  
Revision Date: August 22, 2019

Revision Number: 0

### International Regulations

#### Mexico

#### National occupational exposure limits

Chemical name	Carcinogen Status	Exposure Limits
Ethyl alcohol	A3	Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>
Glycerin	-	10mg/m <sup>3</sup> (mist) TWA

A3 - Confirmed Animal Carcinogen

Mexico - Occupational Exposure Limits - Carcinogens

#### Canada

#### WHMIS Hazard Class

Not determined

### 16. OTHER INFORMATION

NFPA	Health Hazards	1	Flammability	3	Instability	0	Physical and Chemical Hazards	-
HMIS	Health Hazards	2	Flammability	3	Physical Hazard	0	Personal Protection	X

Prepared By Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

Issuing Date September 4, 2014

Revision Date August 22, 2019

Revision Note Update to GHS Classification

#### General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

#### Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

We, however, make no representation as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the information will be required to make their own determination as to its suitability for their purposes prior to use. In no event will we be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information.

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made hereunder with respect to information or the product to which the information refers. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this SDS. The ultimate compliance with federal, state or local regulations concerning the use of this compound, or compliance with respect to product liability, rests solely upon the purchaser thereof.

Vendor manufactures its products for sale in the United States only. We make no representations or warranties regarding compliance with any regulations or laws of any other country.

End of Safety Data Sheet

**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 400000000422

Revision Date: 08/02/2020

**SECTION 1. IDENTIFICATION**

Product name : PURELL® Advanced Hand Sanitizer Gel

**Manufacturer or supplier's details**

Company name of supplier : GOJO Industries, Inc.  
 Address : One GOJO Plaza, Suite 500  
 Akron, Ohio 44311  
 Telephone : 1 (330) 255-6000

Emergency telephone : CHEMTREC 1-800-424-9300  
 number : CHEMTREC +1-703-527-3887: Outside USA & CANADA

**Recommended use of the chemical and restrictions on use**

Recommended use : Hand Sanitizer  
 Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**

Flammable liquids : Category 3

Eye irritation : Category 2A

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.  
 H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
 P210 Keep away from heat/sparks/open flames/hot surfaces. -  
 No smoking.  
 P233 Keep container tightly closed.


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 400000000422

Revision Date: 08/02/2020

P240 Ground/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.  
 P280 Wear eye protection/ 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.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**
**Hazardous components**

Chemical name	CAS-No.	Concentration (%)
Ethyl Alcohol	64-17-5	>= 60 - < 70
Isopropyl Alcohol	67-63-0	>= 1 - < 5

**SECTION 4. FIRST AID MEASURES**

General advice	: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	: If inhaled, remove to fresh air. If symptoms persist, call a physician.
In case of skin contact	: Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.
In case of eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.
If swallowed	: If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	: Causes serious eye irritation.
Protection of first-aiders	: First Aid responders should pay attention to self-protection and use the recommended protective clothing


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 400000000422

Revision Date: 08/02/2020

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Cool closed containers exposed to fire with water spray.  
Flash back possible over considerable distance.  
May form explosive mixtures in air.  
Exposure to decomposition products may be a hazard to health.  
Carbon oxides
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.
- Environmental precautions : Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapours/mists with a water spray jet.  
Keep in suitable, closed containers for disposal.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.

**SECTION 7. HANDLING AND STORAGE**


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 40000000422

Revision Date: 08/02/2020

- Advice on safe handling : For personal protection see section 8.  
Keep away from heat.  
Use with local exhaust ventilation.  
Avoid contact with eyes.
- Conditions for safe storage : Take measures to prevent the build up of electrostatic charge.  
Keep in properly labelled containers.  
Keep container tightly closed in a dry and well-ventilated place.  
Store in accordance with the particular national regulations.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethyl Alcohol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		STEL	1,000 ppm	ACGIH
Isopropyl Alcohol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		ST	500 ppm 1,225 mg/m <sup>3</sup>	NIOSH REL
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z-1

**Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Isopropyl Alcohol	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI

**Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : No special protective equipment required.
- Remarks : No special protective equipment required.
- Eye protection : Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : No special measures necessary provided product is used correctly.
- Protective measures : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Ensure that eye flushing systems and safety showers are located close to the working place.


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 400000000422

Revision Date: 08/02/2020

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with eyes.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid  
 Colour : clear, colourless, light yellow  
 Odour : citrus  
 Odour Threshold : No data available

pH : 6.5 - 8.5

Melting point/freezing point : No data available  
 Boiling point/boiling range : 70.00 °C

Flash point : 25.00 °C

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

Flammability (liquids) :

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Density : 0.8743 g/cm<sup>3</sup>

Solubility(ies)  
 Water solubility : soluble

Partition coefficient: n-octanol/water : Not applicable

Auto-ignition temperature : not determined

Thermal decomposition : The substance or mixture is not classified self-reactive.

Viscosity  
 Viscosity, kinematic : 3500 - 23000 mm<sup>2</sup>/s (20 °C)

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Not classified as a reactivity hazard.  
 Chemical stability : Stable under normal conditions.


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 400000000422

Revision Date: 08/02/2020

Possibility of hazardous reactions : Vapours may form explosive mixture with air.  
 Conditions to avoid : Heat, flames and sparks.  
 Incompatible materials : Oxidizing agents  
 Hazardous decomposition products : No hazardous decomposition products are known.

**SECTION 11. TOXICOLOGICAL INFORMATION**
**Information on likely routes of exposure**

Inhalation  
 Skin contact  
 Eye contact

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
 Method: Calculation method

**Components:**
**Ethyl Alcohol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
  
 Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l  
 Exposure time: 4 h  
 Test atmosphere: vapour

**Isopropyl Alcohol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
  
 Acute inhalation toxicity : LC50 (Rat): 72.6 mg/l  
 Exposure time: 4 h  
 Test atmosphere: vapour  
  
 Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Components:**
**Ethyl Alcohol:**

Species: Rabbit  
 Method: OECD Test Guideline 404  
 Result: No skin irritation

**Isopropyl Alcohol:**

Species: Rabbit  
 Result: No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.




**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 400000000422

Revision Date: 08/02/2020

**Components:****Ethyl Alcohol:**

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

Method: OECD Test Guideline 405

**Isopropyl Alcohol:**

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Components:****Ethyl Alcohol:**

Test Type: Local lymph node assay (LLNA)

Exposure routes: Skin contact

Species: Mouse

Result: negative

**Isopropyl Alcohol:**

Test Type: Buehler Test

Exposure routes: Skin contact

Species: Guinea pig

Method: OECD Test Guideline 406

Result: negative

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****Ethyl Alcohol:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
Test species: Mouse  
Application Route: Ingestion  
Result: negative

**Isopropyl Alcohol:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
cytogenetic assay)  
Test species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative

**Carcinogenicity**

Not classified based on available information.


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 400000000422

Revision Date: 08/02/2020

**Components:**
**Isopropyl Alcohol:**

Species: Rat  
 Application Route: inhalation (vapour)  
 Exposure time: 104 weeks  
 Method: OECD Test Guideline 451  
 Result: negative

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**Components:**
**Ethyl Alcohol:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
 Species: Mouse  
 Application Route: Ingestion  
 Method: OECD Test Guideline 416  
 Result: negative

**Isopropyl Alcohol:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
 Species: Rat  
 Application Route: Ingestion  
 Result: negative

Effects on foetal development

: Test Type: Embryo-foetal development  
 Species: Rat  
 Application Route: Ingestion  
 Result: negative

**STOT - single exposure**

Not classified based on available information.

**Components:**
**Isopropyl Alcohol:**

Assessment: May cause drowsiness or dizziness.

**STOT - repeated exposure**

Not classified based on available information.

**Repeated dose toxicity**
**Components:**


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 40000000422

Revision Date: 08/02/2020

**Ethyl Alcohol:**

Species: Rat  
 NOAEL: 2,400 mg/kg  
 Application Route: Ingestion  
 Exposure time: 2 y

**Isopropyl Alcohol:**

Species: Rat  
 NOAEL: 5000 ppm  
 Application Route: inhalation (vapour)  
 Exposure time: 104 w  
 Method: OECD Test Guideline 413

**Aspiration toxicity**

Not classified based on available information.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Ethyl Alcohol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l  
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
 Exposure time: 48 h

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
 Exposure time: 72 h  
 Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates : NOEC (Daphnia magna (Water flea)): 9.6 mg/l  
 Exposure time: 9 d

(Chronic toxicity)  
 Toxicity to bacteria : EC50 (Photobacterium phosphoreum): 32.1 mg/l  
 Exposure time: 0.25 h

**Isopropyl Alcohol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l  
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
 Exposure time: 24 h

Toxicity to bacteria : EC50 (Pseudomonas putida): > 1,050 mg/l  
 Exposure time: 16 h

**Persistence and degradability****Components:****Ethyl Alcohol:**

Biodegradability : Result: Readily biodegradable.  
 Biodegradation: 84 %


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 400000000422

Revision Date: 08/02/2020

Exposure time: 20 d

**Isopropyl Alcohol:**

Biodegradability : Result: rapidly degradable

**Bioaccumulative potential****Components:****Ethyl Alcohol:**

Partition coefficient: n-octanol/water : log Pow: -0.35

**Isopropyl Alcohol:**

Partition coefficient: n-octanol/water : log Pow: 0.05

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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**SECTION 13. DISPOSAL CONSIDERATIONS**
**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.  
 Contaminated packaging : Dispose of as unused product.  
 Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**SECTION 14. TRANSPORT INFORMATION**
**International Regulation****IATA-DGR**

UN/ID No. : UN 1987  
 Proper shipping name : Alcohols, n.o.s.  
 (Ethanol, Propan-2-ol)

Class : 3  
 Packing group : III  
 Packing instruction (cargo aircraft) : 366  
 Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1987


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

SDS Number: 400000000422

Revision Date: 08/02/2020

Proper shipping name : ALCOHOLS, N.O.S.  
(Ethanol, Propan-2-ol)

Class : 3

Packing group : III

Labels : 3

EmS Code : F-E, S-D

Marine pollutant : no

**National Regulations**
**49 CFR**

UN/ID/NA number : UN 1987

Proper shipping name : Alcohols, n.o.s.

Class : 3

Packing group : III

ERG Code : 127

Marine pollutant : no

**SECTION 15. REGULATORY INFORMATION**
**EPCRA - Emergency Planning and Community Right-to-Know Act**

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Isopropyl Alcohol	67-63-0	3.4086 %
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**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

Ethyl Alcohol	64-17-5	65.2821 %
Isopropyl Alcohol	67-63-0	3.4086 %

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

**California Prop 65** : This product does not require a warning label under California Proposition 65.

**The components of this product are reported in the following inventories:**

TSCA : On TSCA Inventory

CH INV : On the inventory, or in compliance with the inventory

AICS : On the inventory, or in compliance with the inventory


**PURELL® Advanced Hand Sanitizer Gel**

Version 1.1

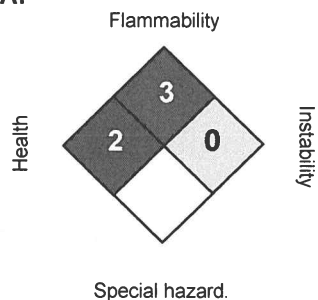
SDS Number: 400000000422

Revision Date: 08/02/2020

DSL	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**SECTION 16. OTHER INFORMATION**
**Further information**
**NFPA:**

**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 08/02/2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

**SECCIÓN 1. IDENTIFICACIÓN**

Nombre del producto : PURELL® Advanced Hand Sanitizer Gel

**Informaciones sobre el fabricante o el proveedor**

Nombre de la empresa proveedora : GOJO Industries, Inc.

Dirección : One GOJO Plaza, Suite 500  
Akron, Ohio 44311

Teléfono : 1 (330) 255-6000

Teléfono de emergencia : CHEMTREC 1-800-424-9300  
CHEMTREC +1-703-527-3887: Outside USA & CANADA
**Uso recomendado del producto químico y restricciones de uso**

Uso recomendado : Desinfectante para manos

Restricciones de uso :

Se trata de un producto cosmético o para el cuidado personal que es seguro para los consumidores y para otros usuarios en condiciones normales o razonablemente previsibles de uso. Los cosméticos y los productos de consumo, específicamente definidos por las regulaciones de todo el mundo, están exentos del requisito de un SDS para el consumidor. Ya que este material no se considera peligroso, este SDS contiene información valiosa importante para la manipulación segura y el uso adecuado del producto en las condiciones laborales de la industria así como en exposiciones imprevistas e inusuales como por ejemplo derrames grandes. Este SDS debe conservarse y estar a disposición de los empleados y del resto de usuarios del producto. Para obtener asesoramiento acerca de un uso específico, consulte la información proporcionada en el embalaje o en la hoja de instrucciones.

**SECCIÓN 2. IDENTIFICACIÓN DE LOS PELIGROS**
**Clasificación SGA**

Líquidos inflamables : Categoría 3

Irritación ocular : Categoría 2A

**Elementos de etiquetado GHS**

Pictogramas de peligro :



Palabra de advertencia : Atención

Indicaciones de peligro : H226 Líquidos y vapores inflamables.  
H319 Provoca irritación ocular grave.


**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

- Consejos de prudencia : **Prevención:**  
 P210 Mantener alejado de fuentes de calor, chispas, llama abierta o superficies calientes. - No fumar.  
 P233 Mantener el recipiente herméticamente cerrado.  
 P240 Conectar a tierra/enlace equipotencial del recipiente y del equipo de recepción.  
 P241 Utilizar un material eléctrico, de ventilación o de iluminación/ antideflagrante.  
 P242 Utilizar únicamente herramientas que no produzcan chispas.  
 P243 Tomar medidas de precaución contra descargas electrostáticas.  
 P280 Llevar gafas/ máscara de protección.  
**Intervención:**  
 P305 + P351 + P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.  
 P337 + P313 Si persiste la irritación ocular: Consultar a un médico.  
 P370 + P378 En caso de incendio: Utilizar arena seca, polvo químico seco o espuma resistente al alcohol para apagarlo.  
**Almacenamiento:**  
 P403 + P235 Almacenar en un lugar bien ventilado. Mantener en lugar fresco.  
**Eliminación:**  
 P501 Eliminar el contenido/ el recipiente en una planta de eliminación de residuos autorizada.

**Otros peligros**

Ninguna conocida.

**SECCIÓN 3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES**
**Componentes peligrosos**

Nombre químico	No. CAS	Concentración (%)
Alcohol	64-17-5	>= 60 - < 70
Isopropyl Alcohol	67-63-0	>= 1 - < 5

**SECCIÓN 4. PRIMEROS AUXILIOS**

- Recomendaciones generales : En caso de accidente o malestar, acuda inmediatamente al médico.  
 Cuando los síntomas persistan o en caso de duda, pedir el consejo de un médico.
- Si es inhalado : Si se ha inhalado, transportarlo al aire fresco.  
 Si los síntomas persisten consultar a un médico.
- En caso de contacto con la piel : Lavar con agua y jabón como precaución.  
 Consultar un médico si aparece y persiste una irritación.
- En caso de contacto con los ojos : En caso de un contacto, enjuagar inmediatamente los ojos con agua en abundancia por lo menos durante 15 minutos.  
 Si es fácil de hacerlo, quitar los lentes de contacto, si están




**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 40000000422

Fecha de revisión: 08/02/2020

	puestos. Pedir consejo médico.
Por ingestión	: Si se ha tragado, NO provocar el vómito. Enjuague la boca con agua. Consulte al médico.
Principales síntomas y efectos, agudos y retardados	: Provoca irritación ocular grave.
Protección de los socorristas	: Los socorristas deben poner atención en su protección personal y llevar la vestimenta de protección recomendada

**SECCIÓN 5. MEDIDAS DE LUCHA CONTRA INCENDIOS**

Medios de extinción apropiados	: Agua pulverizada Espuma resistente al alcohol Producto químico en polvo Dióxido de carbono (CO <sub>2</sub> )
Medios de extinción no apropiados	: Chorro de agua de gran volumen
Peligros específicos en la lucha contra incendios	: No usar un chorro compacto de agua ya que puede dispersar y extender el fuego. Enfriar los contenedores cerrados expuestos al fuego con agua pulverizada. Es posible el retorno de la llama a distancia considerable. Puede formar mezclas explosivas con el aire. La exposición a los productos de descomposición puede ser peligrosa para la salud. Óxidos de carbono
Productos de combustión peligrosos	: Óxidos de carbono
Métodos específicos de extinción	: Usar medidas de extinción que sean apropiadas a las circunstancias del local y a sus alrededores. El agua pulverizada puede ser utilizada para enfriar los contenedores cerrados.
Otros datos	: El agua de extinción debe recogerse por separado, no debe penetrar en el alcantarillado. Los restos del incendio y el agua de extinción contaminada deben eliminarse según las normas locales en vigor.
Equipo de protección especial para el personal de lucha contra incendios	: En caso de fuego, protéjase con un equipo respiratorio autónomo. Utilícese equipo de protección individual.

**SECCIÓN 6. MEDIDAS EN CASO DE VERTIDO ACCIDENTAL**

Precauciones personales, equipo de protección y procedimientos de emergencia	: Utilícese equipo de protección individual. Asegúrese una ventilación apropiada. Retirar todas las fuentes de ignición. Evacuar el personal a zonas seguras. Mantener alejadas a las personas de la zona de fuga y en sentido opuesto al viento. El material puede producir condiciones resbaladizas.
Precauciones relativas al medio ambiente	: La descarga en el ambiente debe ser evitada. Impedir nuevos escapes o derrames si puede hacerse sin riesgos.



## PURELL® Advanced Hand Sanitizer Gel

Versión 1.0

Número SDS: 40000000422

Fecha de revisión: 08/02/2020

Retener y eliminar el agua contaminada.  
Las autoridades locales deben de ser informadas si los derrames importantes no pueden ser contenidos.

Métodos y material de contención y de limpieza : Se debe utilizar herramientas que no produzcan chispas.  
Empapar con material absorbente inerte.  
Reprimir los gases/vapores/neblinas con agua pulverizada.  
Guardar en contenedores apropiados y cerrados para su eliminación.  
Lavar los suelos y los objetos contaminados a fondo respetando las regulaciones medioambientales.

### SECCIÓN 7. MANIPULACIÓN Y ALMACENAMIENTO

Consejos para una manipulación segura : Equipo de protección individual, ver sección 8.  
Mantener alejado de fuentes de calor.  
Utilizar con una ventilación de escape local.  
Evítese el contacto con los ojos.

Condiciones para el almacenaje seguro : Tomar medidas para impedir la acumulación de descargas electrostáticas.  
Guardar en contenedores etiquetados correctamente.  
Conservar el envase herméticamente cerrado en un lugar seco y bien ventilado.  
Almacenar de acuerdo con las reglamentaciones nacionales particulares.

### SECCIÓN 8. CONTROLES DE EXPOSICIÓN/ PROTECCIÓN INDIVIDUAL

#### Componentes con valores límite ambientales de exposición profesional.

Componentes	No. CAS	Tipo de valor (Forma de exposición)	Parámetros de control / Concentración permisible	Base
Alcohol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		STEL	1,000 ppm	ACGIH
Isopropyl Alcohol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		ST	500 ppm 1,225 mg/m <sup>3</sup>	NIOSH REL
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z-1

#### Límites biológicos de exposición profesional

Componentes	No. CAS	Parámetros de control	Análisis biológico	Hora de muestreo	Concentración permisible	Base
Isopropyl Alcohol	67-63-0	Acetona	Orina	Al final del turno del	40 mg/l	ACGIH BEI


**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

				último día de la semana de trabajo		
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**Protección personal**

- Protección respiratoria : Normalmente no requiere el uso de un equipo de protección individual respiratorio.
- Protección de las manos  
Observaciones : No se requiere equipo especial de protección.
- Protección de los ojos : Usar pantalla facial y traje de protección por si surgen anomalías en el proceso.
- Protección de la piel y del cuerpo : No son necesarias medidas especiales se utiliza el producto correctamente.
- Medidas de protección : Elegir la protección para el cuerpo según sus características, la concentración y la cantidad de sustancias peligrosas, y el lugar específico de trabajo.  
Asegúrese de que los sistemas de lavado de ojos y duchas de seguridad estén colocadas cerca del lugar de trabajo.
- Medidas de higiene : Manipular con las precauciones de higiene industrial adecuadas, y respetar las prácticas de seguridad.  
Evítese el contacto con los ojos.

**SECCIÓN 9. PROPIEDADES FÍSICAS Y QUÍMICAS**

- Aspecto : líquido
- Color : claro, incoloro, amarillo claro
- Olor : cítrico
- Umbral olfativo : Sin datos disponibles
- pH : 6.5 - 8.5
- Punto de fusión/ punto de congelación : Sin datos disponibles
- Punto /intervalo de ebullición : 70.00 °C
- Punto de inflamación : 25.00 °C
- Tasa de evaporación : Sin datos disponibles
- Inflamabilidad (sólido, gas) : No aplicable
- Flammability (liquids) :
- Límite superior de explosividad : Sin datos disponibles
- Límites inferior de explosividad : Sin datos disponibles
- Presión de vapor : Sin datos disponibles
- Densidad relativa del vapor : Sin datos disponibles
- Densidad : 0.8743 gcm3


**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

Solubilidad(es)	
Solubilidad en agua	: soluble
Coefficiente de reparto n-octanol/agua	: No aplicable
Temperatura de auto-inflamación	: (valor) no determinado
Descomposición térmica	: La sustancia o mezcla no se clasifica como auto reactiva.
Viscosidad	
Viscosidad, cinemática	: 3500 - 23000 mm <sup>2</sup> /s (20 °C)
Propiedades explosivas	: No explosivo
Propiedades comburentes	: La sustancia o mezcla no se clasifica como oxidante.

**SECCIÓN 10. ESTABILIDAD Y REACTIVIDAD**

Reactividad	: No clasificado como un peligro de reactividad.
Estabilidad química	: Estable en condiciones normales.
Posibilidad de reacciones peligrosas	: Los vapores pueden formar una mezcla explosiva con el aire.
Condiciones que deben evitarse	: Calor, llamas y chispas.
Materiales incompatibles	: Oxidantes
Productos de descomposición peligrosos	: No se conoce ningún producto peligroso de la descomposición.

**SECCIÓN 11. INFORMACIÓN TOXICOLÓGICA**
**Información sobre posibles vías de exposición**

Inhalación  
 Contacto con la piel  
 Contacto con los ojos

**Toxicidad aguda**

No está clasificado en base a la información disponible.

**Producto:**

Toxicidad oral aguda : Estimación de la toxicidad aguda : > 5,000 mg/kg  
 Método: Método de cálculo

**Componentes:**
**Alcohol:**

Toxicidad oral aguda : DL50 (Rata): > 5,000 mg/kg

Toxicidad aguda por inhalación : CL50 (Rata): 124.7 mg/l  
 Tiempo de exposición: 4 h  
 Prueba de atmosfera: vapor

**Isopropyl Alcohol:**

Toxicidad oral aguda : DL50 (Rata): > 5,000 mg/kg

**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

Toxicidad aguda por inhalación : CL50 (Rata): 72.6 mg/l  
Tiempo de exposición: 4 h  
Prueba de atmosfera: vapor

Toxicidad cutánea aguda : DL50 (Rata): > 5,000 mg/kg

**Corrosión o irritación cutáneas**

No está clasificado en base a la información disponible.

**Componentes:****Alcohol:**

Especies: Conejo

Método: Directrices de ensayo 404 del OECD

Resultado: No irrita la piel

**Isopropyl Alcohol:**

Especies: Conejo

Resultado: No irrita la piel

**Lesiones o irritación ocular graves**

Provoca irritación ocular grave.

**Componentes:****Alcohol:**

Especies: Conejo

Resultado: Irritación a los ojos, reversible a los 21 días

Método: Directrices de ensayo 405 del OECD

**Isopropyl Alcohol:**

Especies: Conejo

Resultado: Irritación a los ojos, reversible a los 21 días

**Sensibilización respiratoria o cutánea**

Sensibilización cutánea: No está clasificado en base a la información disponible.

Sensibilización respiratoria: No está clasificado en base a la información disponible.

**Componentes:****Alcohol:**

Tipo de Prueba: Ensayo de ganglio linfático local (LLNA)

Vía de exposición: Contacto con la piel

Especies: Ratón

Resultado: negativo

**Isopropyl Alcohol:**

Tipo de Prueba: Buehler Test

Vía de exposición: Contacto con la piel

Especies: Conejillo de indias

Método: Directrices de ensayo 406 del OECD

Resultado: negativo

**Mutagenicidad en células germinales**

No está clasificado en base a la información disponible.

**Componentes:**


**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

**Alcohol:**

Genotoxicidad in vitro : Tipo de Prueba: Ensayo de mutación genética de células de mamífero in vitro  
Resultado: negativo

Genotoxicidad in vivo : Tipo de Prueba: Prueba de letalidad dominante en roedores (célula germinal) (in vivo)  
Prueba de especies: Ratón  
Vía de aplicación: Ingestión  
Resultado: negativo

**Isopropyl Alcohol:**

Genotoxicidad in vitro : Tipo de Prueba: Prueba de mutación inversa en bacterias (AMES, por sus siglas en inglés)  
Resultado: negativo

Genotoxicidad in vivo : Tipo de Prueba: Prueba de micronúcleos de eritrocitos de mamíferos (ensayo citogenético in vivo)  
Prueba de especies: Ratón  
Vía de aplicación: Inyección intraperitoneal  
Resultado: negativo

**Carcinogenicidad**

No está clasificado en base a la información disponible.

**Componentes:****Isopropyl Alcohol:**

Especies: Rata

Vía de aplicación: inhalación (vapor)

Tiempo de exposición: 104 semanas

Método: Directrices de ensayo 451 del OECD

Resultado: negativo

**IARC**

No se identifica ningún componente de este producto, que presente niveles mayores que o igual a 0,1% como agente carcinógeno humano probable, posible o confirmado por la (IARC) Agencia Internacional de Investigaciones sobre Carcinógenos.

**OSHA**

No se identifica ningún componente de este producto, que presente niveles mayores que o el igual a 0,1% como cancerígeno o como carcinógeno potencial por la (OSHA) Administración de Salud y Seguridad Ocupacional.

**NTP**

En este producto no se identifica ningún componente, que presente niveles mayores que o iguales a 0.1%, como agente carcinógeno conocido o anticipado por el (NTP) Programa Nacional de Toxicología.

**Toxicidad para la reproducción**

No está clasificado en base a la información disponible.

**Componentes:****Alcohol:**


**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

Efectos en la fertilidad : Tipo de Prueba: Estudio de toxicidad reproductora en dos generaci ones  
Especies: Ratón  
Vía de aplicación: Ingestión  
Método: Directrices de ensayo 416 del OECD  
Resultado: negativo

**Isopropyl Alcohol:**  
Efectos en la fertilidad : Tipo de Prueba: Estudio de toxicidad reproductora en dos generaci ones  
Especies: Rata  
Vía de aplicación: Ingestión  
Resultado: negativo

Efectos en el desarrollo fetal : Tipo de Prueba: Desarrollo embrionario y fetal  
Especies: Rata  
Vía de aplicación: Ingestión  
Resultado: negativo

**Toxicidad específica en determinados órganos (stot) - exposición única**

No está clasificado en base a la información disponible.

**Componentes:**

**Isopropyl Alcohol:**  
Valoración: Puede provocar somnolencia o vértigo.

**Toxicidad específica en determinados órganos (stot) - exposiciones repetidas**

No está clasificado en base a la información disponible.

**Toxicidad por dosis repetidas**
**Componentes:**

**Alcohol:**  
Especies: Rata  
NOAEL: 2,400 mg/kg  
Vía de aplicación: Ingestión  
Tiempo de exposición: 2 y

**Isopropyl Alcohol:**  
Especies: Rata  
NOAEL: 5000 ppm  
Vía de aplicación: inhalación (vapor)  
Tiempo de exposición: 104 w  
Método: Directrices de ensayo 413 del OECD

**Toxicidad por aspiración**

No está clasificado en base a la información disponible.

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**SECCIÓN 12. INFORMACIÓN ECOLÓGICA**
**Ecotoxicidad**
**Componentes:**

**Alcohol:**


**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

- Toxicidad para los peces : CL50 (Pimephales promelas (Piscardo de cabeza gorda)): > 1,000 mg/l  
Tiempo de exposición: 96 h
- Toxicidad para las dafnias y otros invertebrados acuáticos : CE50 (Daphnia magna (Pulga de mar grande)): > 1,000 mg/l  
Tiempo de exposición: 48 h
- Toxicidad para las algas : CE50 (Chlorella vulgaris (alga en agua dulce)): 275 mg/l  
Tiempo de exposición: 72 h  
Método: OECD TG 201
- Toxicidad para las dafnias y otros invertebrados acuáticos (Toxicidad crónica) : NOEC (Daphnia magna (Pulga de mar grande)): 9.6 mg/l  
Tiempo de exposición: 9 d
- Toxicidad para las bacterias : CE50 (Photobacterium phosphoreum): 32.1 mg/l  
Tiempo de exposición: 0.25 h

**Isopropyl Alcohol:**

- Toxicidad para los peces : CL50 (Pimephales promelas (Piscardo de cabeza gorda)): 10,000 mg/l  
Tiempo de exposición: 96 h
- Toxicidad para las dafnias y otros invertebrados acuáticos : CE50 (Daphnia magna (Pulga de mar grande)): > 10,000 mg/l  
Tiempo de exposición: 24 h
- Toxicidad para las bacterias : CE50 (Pseudomonas putida): > 1,050 mg/l  
Tiempo de exposición: 16 h

**Persistencia y degradabilidad**
**Componentes:**
**Alcohol:**

- Biodegradabilidad : Resultado: Fácilmente biodegradable.  
Biodegradación: 84 %  
Tiempo de exposición: 20 d

**Isopropyl Alcohol:**

- Biodegradabilidad : Resultado: rápidamente degradable

**Potencial de bioacumulación**
**Componentes:**
**Alcohol:**

- Coefficiente de reparto n-octanol/agua : log Pow: -0.35

**Isopropyl Alcohol:**

- Coefficiente de reparto n-octanol/agua : log Pow: 0.05

**Movilidad en el suelo**

Sin datos disponibles

**Otros efectos adversos**

Sin datos disponibles

**Producto:**




**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

Regulación	40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Observaciones	Este producto no contiene, ni ha sido fabricado con ODS (Substancias que Dañan la capa de Ozono) Clase I o Clase II, tal como se define en el Acta del Aire Limpio de los EE.UU. Sección 602 (40 CFR 82, Subpt. A, Ap.A + B).

**SECCIÓN 13. CONSIDERACIONES RELATIVAS A LA ELIMINACIÓN**
**Métodos de eliminación.**

Residuos	: Eliminar, observando las normas locales en vigor.
Envases contaminados	: Eliminar como producto no usado. Los contenedores vacíos deben ser llevados a un sitio de manejo aprobado para desechos, para el reciclado o eliminación.

**SECCIÓN 14. INFORMACIÓN RELATIVA AL TRANSPORTE**
**Regulación internacional**
**IATA-DGR**

No. UN/ID	: UN 1987
Designación oficial de transporte de las Naciones Unidas	: Alcoholes, n.e.p. (Ethanol, Propan-2-ol)
Clase	: 3
Grupo de embalaje	: III
Instrucción de embalaje (avión de carga)	: 366
Instrucción de embalaje (avión de pasajeros)	: 355

**Código-IMDG**

Número ONU	: UN 1987
Designación oficial de transporte de las Naciones Unidas	: ALCOHOLS, N.O.S. (Ethanol, Propan-2-ol)
Clase	: 3
Grupo de embalaje	: III
Etiquetas	: 3
EmS Código	: F-E, S-D
Contaminante marino	: no

**Regulación doméstica**
**49 CFR**

Número UN/ID/NA	: UN 1987
Designación oficial de transporte de las Naciones Unidas	: Alcohols, n.o.s.
Clase	: 3
Grupo de embalaje	: III


**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

Código ERG : 127  
 Contaminante marino : no

**SECCIÓN 15. INFORMACIÓN REGLAMENTARIA**
**EPCRA - Acta para el Derecho a Saber Comunitario y de Planificación de Emergencias**

**SARA 311/312 Peligros** : Peligro de Incendio  
 Peligro Agudo para la Salud

**SARA 302** : Este material no contiene productos químicos sujetos a los requisitos reportados por SARA Título III, sección 302.

**SARA 313** : Los siguientes componentes están sujetos a los niveles de referencia establecidos por SARA Título III, Sección 313:

Isopropyl Alcohol	67-63-0	3.4086 %
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**Ley del Aire Limpio**

Este producto no contiene ningún contaminante atmosférico peligroso (HAP), tal como se define en el Acta del Aire Limpio de los EE.UU. Sección 12 (40 CFR 61).

Este producto no contiene ningún producto químico que figure en el Acta de Aire Limpio de los EE.UU. Sección 112(r) para la Prevención de Liberación Accidental (40 CFR 68.130, Sub-parte F).

(Los) siguiente(s) producto(s) químico(s) se enumera(n) en el Acta de Aire Limpio de los EE.UU. Sección 111 SOCM I COVs intermedios o finales (40 CFR 60.489):

Alcohol	64-17-5	65.2821 %
Isopropyl Alcohol	67-63-0	3.4086 %

Este producto no contiene ninguna exención de COV (Compuestos Orgánicos Volátiles) de las enumeradas en la Sección 450 de la Ley de Aire Limpio de los E.U. (U.S. Clean Air Act).

**California Prop 65** Este producto no requiere una etiqueta de advertencia bajo la Proposición 65 de California.

**Los componentes de este producto están presentados en los inventarios siguientes:**

TSCA : En el Inventario TSCA

CH INV : En o de conformidad con el inventario

AICS : En o de conformidad con el inventario

DSL : En o de conformidad con el inventario

ENCS : En o de conformidad con el inventario

ISHL : En o de conformidad con el inventario

KECI : En o de conformidad con el inventario

PICCS : En o de conformidad con el inventario

IECSC : En o de conformidad con el inventario

NZIoC : En o de conformidad con el inventario



**PURELL® Advanced Hand Sanitizer Gel**

Versión 1.0

Número SDS: 400000000422

Fecha de revisión: 08/02/2020

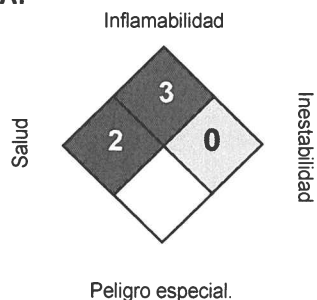
**Inventario**

AICS (Australia), DSL (Canadá), IECSC (China), REACH (Unión Europea), ENCS (Japón), ISHL (Japón), KECI (Corea), NZIoC (Nueva Zelanda), PICCS (Filipinas), TCSI (Taiwán), TSCA (Estados Unidos)

**SECCIÓN 16. OTRA INFORMACIÓN**

**Otros datos**

**NFPA:**



**HMIS III:**

<b>SALUD</b>	<b>2</b>
<b>INFLAMABILIDAD</b>	<b>3</b>
<b>PELIGRO FÍSICO</b>	<b>0</b>

0 = no significativo, 1 =Ligero,  
 2 = Mediano, 3 = Alto  
 4 = Extremo, \* = Crónico

Fecha de revisión : 08/02/2020

La información proporcionada en esta Ficha de Datos de Seguridad, es la más correcta de que disponemos a la fecha de su publicación. La información suministrada, está concebida solamente como una guía para la seguridad en el manejo, uso, procesado, almacenamiento, transporte, eliminación y descarga, y no debe ser considerada como una garantía o especificación de calidad. La información se refiere únicamente al material especificado, y no puede ser válida para dicho material, usado en combinación con otros materiales o en cualquier proceso, a menos que sea indicado en el texto.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : GEL HAND SANITIZER

Other means of identification : Not applicable

Recommended use : Hand Sanitizer

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.  
1 Ecolab Place  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 04/14/2020

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**

Flammable liquids : Category 3  
Eye irritation : Category 2A

**GHS label elements**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Flammable liquid and vapor.  
Causes serious eye irritation.

Precautionary Statements : **Prevention:**  
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
Keep container tightly closed.  
**Response:**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
**Storage:**  
Store in a well-ventilated place. Keep cool.  
**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

Other hazards : None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
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## SAFETY DATA SHEET

### GEL HAND SANITIZER

ethanol  
Isopropanol

64-17-5  
67-63-0

60 - 100  
5 - 10

#### SECTION 4. FIRST AID MEASURES

- In case of eye contact : Rinse with water.
- In case of skin contact : Rinse with water.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Get medical attention if symptoms occur.
- Protection of first-aiders : No special precautions are necessary for first aid responders.
- Notes to physician : Treat symptomatically.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

#### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Fire Hazard  
Keep away from heat and sources of ignition.  
Flash back possible over considerable distance.  
Beware of vapors accumulating to form explosive concentrations.  
Vapors can accumulate in low areas.
- Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see

## SAFETY DATA SHEET

### GEL HAND SANITIZER

section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Open drum carefully as content may be under pressure. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
- Conditions for safe storage : Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
- Storage temperature : 0 °C to 35 °C

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z1
Isopropyl Alcohol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		STEL	500 ppm 1,225 mg/m <sup>3</sup>	NIOSH REL
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z1

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

##### Personal protective equipment

- Eye protection : No special protective equipment required.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.
- Hygiene measures : No specific measures identified.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : gel

## SAFETY DATA SHEET

### GEL HAND SANITIZER

Color	: clear, colorless
Odor	: alcohol-like
pH	: 6.6 - 7.5, (100 %)
Flash point	: 24 °C closed cup
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 0.84 - 0.844
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: None known.
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Inhalation, Eye contact, Skin contact

## SAFETY DATA SHEET

### GEL HAND SANITIZER

exposure

#### Potential Health Effects

Eyes : Causes serious eye irritation.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

#### Experience with human exposure

Eye contact : Redness, Pain, Irritation

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

No symptoms known or expected.

#### Toxicity

##### Product

Acute oral toxicity : No data available

Acute inhalation toxicity : 4 h Acute toxicity estimate : > 200 mg/l  
Test atmosphere: vapor

Acute dermal toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : No data available

Respiratory or skin sensitization : No data available

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

##### Components

Acute oral toxicity : ethanol  
LD50 Rat: 10,470 mg/kg

Isopropanol  
LD50 Rat: 5,840 mg/kg

##### Components



## SAFETY DATA SHEET

### GEL HAND SANITIZER

Acute dermal toxicity : ethanol  
LD50 Rabbit: > 15,800 mg/kg

Isopropanol  
LD50 Rabbit: 12,870 mg/kg

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

#### Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

#### Components

Toxicity to fish : ethanol  
96 h LC50 Pimephales promelas: > 100 mg/l

Isopropanol  
96 h LC50 Pimephales promelas: 9,640 mg/l

#### Components

Toxicity to daphnia and other aquatic invertebrates : Isopropanol  
LC50 Daphnia magna (Water flea): > 10,000 mg/l

#### Persistence and degradability

Readily biodegradable.

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

RCRA - Resource Conservation and Recovery Act Hazardous : D001 (Ignitable)

## SAFETY DATA SHEET

### GEL HAND SANITIZER

waste

#### SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

##### Land transport (DOT)

UN number : 1170  
Description of the goods : Ethanol solutions  
Class : 3  
Packing group : III  
Environmentally hazardous : no

##### Sea transport (IMDG/IMO)

UN number : 1170  
Description of the goods : ETHANOL SOLUTION  
Class : 3  
Packing group : III  
Marine pollutant : no

#### SECTION 15. REGULATORY INFORMATION

##### EPCRA - Emergency Planning and Community Right-to-Know

##### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Serious eye damage or eye irritation

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

##### California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation does not apply to this product.

**The ingredients of this product are reported in the following inventories:**

**Switzerland. New notified substances and declared preparations :**  
not determined

## SAFETY DATA SHEET

### GEL HAND SANITIZER

**United States TSCA Inventory :**

All substances listed as active on the TSCA inventory

**Canadian Domestic Substances List (DSL) :**

All components of this product are on the Canadian DSL

**Australia Inventory of Chemical Substances (AICS) :**

not determined

**New Zealand. Inventory of Chemical Substances :**

not determined

**Japan. ENCS - Existing and New Chemical Substances Inventory :**

not determined

**Korea. Korean Existing Chemicals Inventory (KECI) :**

not determined

**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**

not determined

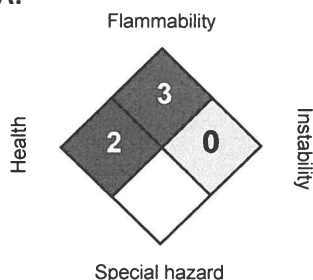
**China. Inventory of Existing Chemical Substances in China (IECSC) :**

On the inventory, or in compliance with the inventory

**Taiwan Chemical Substance Inventory (TCSI) :**

not determined

### SECTION 16. OTHER INFORMATION

**NFPA:****HMIS III:**

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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