

	<b>Fecha de emisión:</b> <b>2018-03-11</b>	<b>Fecha de revisión:</b> <b>2018-07-05</b>	<b>Documento No.</b>
<b>HOJA DE SEGURIDAD</b>		<b>HAND SANITIZER GEL</b>	

<b>SECTION 1. PRODUCT AND COMPANY IDENTIFICATION</b>
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Product name : HAND SANITIZER GEL

Other means of identification : Not applicable

Recommended use : Skin-care

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company :

Emergency telephone

Issuing date 05.07.2018

<b>SECTION 2. HAZARDS IDENTIFICATION</b>
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**GHS Classification**

Flammable liquids, Category 3  
 Eye irritation, Category 2B : H226  
 Specific target organ systemic : H320  
 toxicity - single exposure, Category 3, : H336  
 Central nervous system  
 Acute aquatic toxicity, Category : H402  
 3

**GHS label elements**

Hazard pictograms



Warning

Signal Word

Hazard Statements

H226 Flammable liquid and vapor.  
 H320 Causes eye irritation.  
 H336 May cause drowsiness or dizziness. Harmful  
 H402 to aquatic life.

Precautionary Statements

**Prevention:**  
 P210 Keep away from heat, hot surfaces, sparks, open  
 flames and other ignition sources. No smoking.  
 Keep container tightly closed.  
 P233 Ground and bond container and receiving  
 P240 equipment.  
 Use explosion-proof electrical/ ventilating/ lighting/  
 P241 equipment.  
 Use non-sparking tools.  
 P242 Take action to prevent static discharges.  
 P243 Avoid breathing dust/ fume/ gas/ mist/ vapors/  
 P261 spray.

P264 Wash skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye  
 protection/ face protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately  
 all contaminated clothing. Rinse skin with water.

P304 + P340 + P312 IF INHALED: Remove victim to fresh air  
 and keep at rest in a position comfortable for  
 breathing. Call a POISON CENTER or doctor/  
 physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for  
 several minutes. Remove contact lenses, if present  
 and easy to do. Continue rinsing.

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

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container  
 tightly closed.

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

P405 Store locked up.

**Disposal:**

P501 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 (%)
ethanol	64-17-5	70 <

### SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

In case of skin contact : Rinse with water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

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.  
: High volume water jet

Unsuitable extinguishing media

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  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus

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.

## **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.

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 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 : Avoid contact with skin and eyes. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Wash hands thoroughly after handling. Open drum carefully as content may be under pressure.

Conditions for safe storage : Keep away from heat and sources of ignition. Keep in a cool, wellventilated 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 25 °C

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

**Ingredients with workplace control parameters**

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
ethanol	64-17-5	LMPE-PPT	1.000 ppm 1.900 mg/m <sup>3</sup>	MX OEL
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
Isopropanol	67-63-0	VLE-PPT	200 ppm	NOM-010-STPS-2014
		VLE-CT	400 ppm	NOM-010-STPS-2014
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
acrylic acid	79-10-7	VLE-PPT	2 ppm	NOM-010-STPS-2014
acrylic acid	79-10-7	TWA	2 ppm	ACGIH
		TWA	2 ppm 6 mg/m <sup>3</sup>	NIOSH REL

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

**Personal protective equipment**

Eye protection : Safety goggles Face-shield

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : gel

Color : clear, colorless

Odor : alcohol-like  
pH : 7,0, (100 %)  
Flash point : 27 °C closed cup, Sustains  
combustion

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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) : No data available  
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 - 0,94  
Water solubility : No data available  
Solubility in other solvents : No data available  
Partition coefficient: noctanol/water : No data available  
Autoignition temperature : No data available  
Thermal decomposition : No data available  
Viscosity, kinematic : 3658,259 mm<sup>2</sup>/s (40 °C)

Explosive properties : No data available  
Oxidizing properties : The substance or mixture is not classified as oxidizing.  
Molecular weight : No data available  
VOC : No data available

## **SECTION 10. STABILITY AND REACTIVITY**

Chemical stability : Stable under normal conditions.  
: No dangerous reaction known under  
Possibility of hazardous conditions of normal use.  
reactions

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : None known.

Hazardous decomposition products : Decomposition products may include the following materials:

Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus

## SECTION 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects

Eyes : Causes 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 : Inhalation may cause central nervous system effects.  
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 : Dizziness, Drowsiness

### Toxicity

#### Product

Acute oral toxicity : No data available  
Acute inhalation toxicity : 4 h Acute toxicity estimate : > 40 mg/l  
Test atmosphere: vapor  
Acute dermal toxicity : No data available  
Skin corrosion/irritation : No data available  
Serious eye damage/eye irritation : Mild eye irritation  
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

**Ingredients**

Acute oral toxicity : ethanol  
LD50 Rat: 10.470 mg/kg

**Ingredients**

Acute dermal toxicity : ethanol  
LD50 Rabbit: > 15.800 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Environmental Effects : Harmful to aquatic life.

**Product**

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

**Ingredients**

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

**Ingredients** :

Toxicity to daphnia and other aquatic invertebrates : ethanol  
96 h LC50 Pimephales promelas: > 100 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**



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Disposal methods

: The product should not be allowed to enter drains, water courses or the soil. 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 reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

## 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: generally applicable for transport in Mexico.

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

### Air transport (IATA)

Contact Regulatory for air freight eligibility

### 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

Mexico: Our SDS meets the requirements established by the Official Mexican Regulation NOM-018STPS-2015, Harmonized System for the identification and communication of hazards and risks by dangerous chemical substances in work centers.

## SECTION 16. OTHER INFORMATION

Revision Date : 05.07.2018  
Version : 1.0  
Prepared by : Regulatory Affairs

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

The information provided in this Material Safety Data Sheet is considered correct but is not thorough and is intended for guidance only, which is based on current knowledge of the substance or mixture and is applicable to the appropriate safety precautions for the product.