






MATERIAL SAFETY DATA SHEET
Finished Product

Original issue Date: April 2020
Revision Date: April 2021

SECTION 1 - PRODUCT IDENTIFICATION / COMPANY INFORMATION

Finished Product Name:	HAND SANITIZER GEL (50 g)
Internal code(s):	BCPA
Chemical family:	Alcohols
Synonymous:	Alcohol-based hand sanitizer (Gel)
Other information:	None
Company Identification:	<u>PROBEMEX, S.A. DE C.V.</u> Redención No. 17, Col. Jardines del Sur, Delegación Xochimilco, C.P. 16050, México, D.F.
Contact Information:	1 - 888 - 3877338
Medical emergencies:	In case of medical emergencies, please contact your local poison control center.
Transportation emergency (24 hour), contact:	SETIQ +52 - 55 - 5559 - 1588 or 01 800 00 21 400

SECTION 2 - HAZARDS IDENTIFICATION

U.N.	Health Hazards	Physical Hazards
 1170	 DANGER	 DANGER
Signal Word	Danger	
Hazard Classifications	Flammable Liquids - Category 2 Serious Eye Damage/Irritation - Category 2A	
Hazard Statements	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation	
Prevention Precautionary Statements	P102 Keep out of reach of children. P103 Read label before use. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P243 Take precautionary measures against static discharge.	
Response Precautionary Statements	P101 If medical advice is needed, have product container or label at hand. 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.	



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Storage Precautionary Statement	P403+P235 Store in a well-ventilated place. Keep cool.
Disposal Precautionary Statement	P501 Dispose of contents/container in accordance with local, regional, national and international regulations.
Physical Hazards	Flammable liquid
	Health Hazards
Eye	Contact may cause mild, transient irritation.
Skin	Not expected to be irritating, sensitizing or allergenic when used as intended. Avoid applying near the eyes or on irritated skin
Inhalation	Not expected to be irritating to the respiratory system.
Ingestion	May cause dizziness, abdominal discomfort, nausea and vomiting.
EMERGENCY OVERVIEW:	This is a product that is safe for consumers under intended use. Additional information will be available upon request.

SECTION 3 - COMPOSITION AND INGREDIENTS

The complete ingredient list for the finished products is as follows:		
CHEMICAL ENTITY	CAS NO	PROPORTION
Ethanol	64-17-5	70 % (v/v)
Ingredients determined to be non-hazardous (Balance)		Water
(Aqua), Carbomer, Propanediol, Aminomethyl Propanol, PEG-40 Hydrogenated Castor Oil, Glycerin, Fragrance, Citral, Limonene		

SECTION 4 - FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort or irritation persists, consult a physician.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. Discontinue use of product.
Inhalation	Remove victim from exposure. Remove contaminated clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
Ingestion	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

SECTION 5 - FIRE FIGHTING MEASURES



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Hazchem Code:	2YE
Extinguishing Media:	Use alcohol resistant foam, dry chemical powder or carbon dioxide.
Explosion Data:	Sensitivity to Static Discharge: Yes
Fire Fighting Instructions:	<ul style="list-style-type: none">• Use alcohol resistant foam, carbon dioxide or dry chemical media for small fires.• Water is generally unsuitable and may help to spread the fire.• Use water spray to cool fire-exposed containers.• Use water spray to disperse vapors; reigniting is possible.• Use self-contained breathing apparatus and full protective clothing if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen.

Specific hazards: Highly flammable liquid and vapor. Combustible liquid. May form flammable vapor mixtures with air.
Vapor may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, spark producing switches and electrical equipment. etc.) must be eliminated both in and near the work area. Do NOT smoke.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILLS	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapors or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
LARGE SPILLS	If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling	
Handling:	No special technical protective measures required.
For Household Settings:	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed.
For Non-Household Settings:	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.



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Conditions for Safe Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. 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 product: No special restrictions on storage with other products

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

For Household Settings: This is a product that is safe for consumers under normal and reasonably foreseen use.

For Non-Household Settings: Use safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots etc.) to prevent skin contact. Wear safety shoes. Always follow good hygienic work practices.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Color, Odor and Appearance: Colorless gel, with lemon & alcohol odor.
Physical State: Gel
Boiling Point: Not Available.
pH: Not Available.
Flashpoint: 15 °C
Vapor Density: Not Available.
Specific Gravity: 0.83 - 0.93 g/mL

SECTION 10 - STABILITY AND REACTIVITY

Conditions to Avoid: Avoid exposure to heat, sources of ignition, and open flame
Chemical stability: Stable under recommended storage conditions.

Hazardous Decomposition Products: Oxides of carbon.

Hazardous Polymerization: Hazardous polymerization does not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Additional information on toxicological endpoints is available from the supplier upon request.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >5 mg/L
LC50 (Rat): 5,900 mg/m³/6hr (Ethanol)
Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg
Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg
LD50 (Rat): 7060 mg/kg (Ethanol)

Chronic Effects:

Finished product is not expected to have chronic health effects.



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Target Organs:	No adverse health effects on target organs expected for finished product.
Carcinogenicity:	This material has been classified as non-hazardous.

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic hazard	Eco toxicity: No information available. Persistence and degradability: The product is readily biodegradable. Bio accumulative potential: Risk of bioaccumulation in an aquatic species is low. Mobility: No information available.
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Waste Data	The product ingredients are expected to be safe for the environment at predicted concentrations and under normal use. Disposal of big quantities of product should be in accordance with Federal, Providential and Local regulations by alcohol content. Packaging components are compatible with the conventional solid waste management practices. Do not allow the product enter surface waters, storm drains, etc.
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SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be in accordance with Federal, Providential and Local regulations.	
US EPA Waste Number:	D001
For Household Settings:	Do not discharge product into natural waters or similar.
For Non-Household Settings:	Waste material should be disposed in compliance with all federal, provincial and local government regulations. It could be considered hazardous waste by the alcohol content.

SECTION 14 - TRANSPORT INFORMATION

Finished packaged product transported by ground (DOT):	UN 1170, Ethanol solutions, Class 3, Packaging Group II
Finished packaged product transported by vessel (IMDG):	UN 1170, Ethanol solutions, Class 3, Packaging Group II
Finished packaged product transported by air (IATA):	UN 1170, Ethanol solutions, Class 3, Packaging Group II

SECTION 15 - REGULATORY INFORMATION



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International Inventories

Exempt
components are not listed on the DSL or NDSL.

TSCA
DSL The

U.S. Federal Regulations

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any 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 Acute Health Hazard No Chronic Health Hazard No Fire Hazard Yes Sudden Release of Pressure Hazard No Reactive Hazard No

Clean Water Act (CWA) This product does not contain any substances regulated as pollutants pursuant to the CWA (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).

U.S. State Regulations

California Proposition 65 - NONE This product does not contain any Proposition 65 chemicals.

México National occupational exposure limits

Ethyl Alcohol 64-17-5

TWA 1000 ppm TWA 1900 mg/m³

Canada

WHMIS Hazard Class B2 (This material is a controlled product under WHMIS)

WHMIS = Canadian Workplace Hazardous Materials Information System.

SECTION 16 - OTHER INFORMATION

NFPA

Health Hazard 1

Flammability 3

Instability 0

Physical and Chemical /
Hazards - None

HMIS

Health Hazard 0

Flammability 3

Physical Hazard 0

Personal Protection X

DISCLAIMER

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by PROBEMEX to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. PROBEMEX assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.