

# SAFETY DATA SHEET

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NDC-74500-002

SDS Revision: 1.0


SDS Revision Date:  
06/01/2020

## 1. COMPANY & PRODUCT INFORMATION

1.1	Product Name:	<b>HAND SANITIZER GEL</b>
1.2	Chemical Name:	Ethanol solution
1.3	Synonyms:	NONE
1.4	Trade Names:	Hand Sanitizer Gel
1.5	Product Use:	Hand Sanitizer

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

## 2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	. flammable liquid and vapor. Causes serious eye irritation.	
2.2	Label Elements:	<p><u>Hazard Statements</u> (H): H226 – Flammable liquid and vapor. H319 – Causes serious eye irritation.</p> <p><u>Precautionary Statements</u> (P): P210 – Keep away from heat/sparks/open flame/hot surfaces – No Smoking. P233 – Keep container tightly closed. P261 – Avoid breathing vapors/mist/spray. P272 – Contaminated work clothing should not be allowed out of the workplace. P280 – Wear protective eye protection/face protection. P305+P351+P338 – IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P370+P378 - In case of fire: Use CO<sub>2</sub>, Halon (if permitted), dry chemical, or foam for extinction. P403+P235 – Store in a well-ventilated place. Keep cool. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).</p>	
2.3	Other Warnings:	<b>KEEP OUT OF REACH OF CHILDREN.</b> In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from the U.S. manufacturer, and show them this SDS.	

## 3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m <sup>3</sup> )										
					ACGIH		NOHSC			OSHA					OTHER
					ppm		ppm			ppm					
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH			
ETHANOL (SD ALCOHOL 40B)	64-17-5	KQ6300000	200-578-6	70-80	1000	3000	1000	1800	NF	1000	1900	3300			
Flammable. Liquid. 2; H225															
WATER	7732-18-5	ZC0110000	231-191-2	20-30	NE	NE	NF	NF	NF	NE	NE	NE			
GLYCERIN	56-81-5	MA8050000	200-289-5	1-5	NA	NA	NF	NF	NF	NA	NA	NA			

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PROPYLENE GLYCOL	57-55-6	TY200000	200-338-0	1-5	NA	NA	150	474	NF	NA	NA	NA	NA	
Skin Irritant. 3; Eye Irritant. 2; H316, H320														
CARBOPOL	NA	NA	NA	0-0.5	NA	NA	NF	NF	NF	NA	NA	NA	NA	
Flammable liquid. 2; Aquatic Chronic 3; H225, H413														
85% TRIETHANOLAMINE	102-71-6	NA	203-049-8	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	NA	

## 4. FIRST AID MEASURES

4.1	First Aid:	<p><b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.</p> <p><b>Eyes:</b> Flush eyes thoroughly with copious amounts of water for at least 10 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek immediate medical attention.</p> <p><b>Skin:</b> Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention</p> <p><b>Inhalation:</b> Move victim to fresh air at once. If breathing is difficult, administer supplemental oxygen and seek immediate medical attention. If breathing stops, perform artificial respiration.</p>
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## 4. FIRST AID MEASURES – cont'd

4.2	Effects of Exposure:	<p><b>Ingestion:</b> Product may cause nausea if swallowed, vomiting and/or diarrhea. Product contains ethanol and may lead to intoxication or alcohol poisoning.</p> <p><b>Eyes:</b> Moderately irritating to the eyes.</p> <p><b>Skin:</b> This product can cause mild, transient skin irritation with exposure. This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p> <p><b>Inhalation:</b> Vapors of this product may be irritating to the nose, throat and other tissues of the respiratory system.</p>										
4.3	Symptoms of Overexposure:	Symptoms overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.										
4.4	Acute Health Effects:	Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause dizziness, drowsiness, nausea and head aches.										
4.5	Chronic Health Effects:	The material may exacerbate any pre-existing dermatitis condition.										
4.6	Target Organs:	Eyes, Skin & Respiratory System.										
4.7	Medical Conditions Aggravated by Exposure:	<p>Persons with pre-existing skin disorders, eye problems, or impaired kidney function may be more susceptible to the effects of the substance.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;"><b>HEALTH</b></td> <td style="text-align: center;"><b>1</b></td> </tr> <tr> <td><b>FLAMMABILITY</b></td> <td style="text-align: center;"><b>3</b></td> </tr> <tr> <td><b>PHYSICAL HAZARDS</b></td> <td style="text-align: center;"><b>0</b></td> </tr> <tr> <td><b>PROTECTIVE EQUIPMENT</b></td> <td style="text-align: center;"><b>B</b></td> </tr> <tr> <td><b>EYES</b></td> <td style="text-align: center;"><b>SKIN</b></td> </tr> </table>	<b>HEALTH</b>	<b>1</b>	<b>FLAMMABILITY</b>	<b>3</b>	<b>PHYSICAL HAZARDS</b>	<b>0</b>	<b>PROTECTIVE EQUIPMENT</b>	<b>B</b>	<b>EYES</b>	<b>SKIN</b>
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<b>EYES</b>	<b>SKIN</b>											

## 5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	Keep away from heat, sparks, open flame and lit cigarettes. Keep container closed. When exposed to high temperatures, may produce hazardous decomposition products such as oxides of carbon (e.g., CO, CO <sub>2</sub> ) and nitrogen (e.g., NO <sub>x</sub> ) and smoke.
5.2	Extinguishing Methods:	Water, Foam, CO <sub>2</sub> , Dry Chemical, Halon (if permitted)

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5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personnel. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.
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## 6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. <b>CAUTION – may be slippery if spilled.</b></p> <p>For <u>large spills</u> (e.g., ≥ 5 gallon), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use <b>ONLY</b> non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.</p>
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## 7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Use normal hygiene practices. . Good personal hygiene practices, such as washing any skin contact areas and removing contaminated clothing, are recommended.
7.2	Storage & Handling:	Keep away from sources of heat.
7.3	Special Precautions:	Follow all instructions on product label. Keep container closed when not in use. Keep this and all chemicals out of reach of children.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Exposure Limits: ppm (mg/m <sup>3</sup> )		ACGIH		NOHSC			OSHA			OTHER
		<b>CHEMICAL NAME(S)</b>	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		ETHANOL (SD ALCOHOL 40B)	1000	3000	1000	1800	NF	1000	1900	3300	
		PROPYLENE GLYCOL	NA	NA	150	474	NF	NA	NA	NA	
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.									

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd


8.3	Respiratory Protection:	Not required under normal conditions of use. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.	
8.4	Eye Protection:	<b>AVOID EYE CONTACT DUE TO IRRITATION POTENTIAL.</b> Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling large quantities (e.g., ≥ 1 gallon (3.8 L)) of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	

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8.5	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the EU member states.	
8.6	Body Protection:	No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA.	

## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	Clear to slightly hazy liquid
9.2	Odor:	NA
9.3	Odor Threshold:	NA
9.4	pH:	10
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	78.3 °C (172.94 °F) as ethanol
9.7	Flashpoint:	17.22 - 18.33 °C (63 - 65 °F) as ethanol
9.8	Upper/Lower Flammability Limits:	LEL 3.3, UEL 19.0
9.9	Vapor Pressure:	ND
9.10	Vapor Density:	NA
9.11	Relative Density:	0.840 - 0.860
9.12	Solubility:	Soluble in water
9.13	Partition Coefficient (log P <sub>ow</sub> ):	NA
9.14	Autoignition Temperature:	422 °C (793 °F)
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

## 10. STABILITY & REACTIVITY

10.1	Stability:	Relatively stable under ambient conditions when stored properly.
10.2	Hazardous Decomposition Products:	If exposed to <u>extremely high temperatures</u> , products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon & nitrogen).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame.
10.5	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

## 11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation: YES	Absorption: YES	Ingestion: NO
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data.		
11.3	Acute Toxicity:	See Section 4.4		
11.4	Chronic Toxicity:	See Section 4.5		
11.5	Suspected Carcinogen:	<u>Ethanol</u> : California Proposition 65 ((CA65) ethanol in alcoholic beverages)		
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.		
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.		
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.		
	Teratogenicity:	This product is not reported to produce teratogenic effects in humans.		

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	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
11.7	Irritancy of Product:	See Section 4.2
11.8	Biological Exposure Indices:	NE
11.9	Physician Recommendations:	Treat symptomatically.

## 12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	There are no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

## 13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Waste disposal must be in accordance with appropriate Federal, state, and local regulations.
13.2	Special Considerations:	U.S. EPA Waste Number: D001 (characteristic - ignitable)

## 14. REGULATORY INFORMATION

14.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
14.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
14.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.

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## 15. OTHER INFORMATION

15.1	Other Information:	<b>WARNING! HIGHLY FLAMMABLE LIQUID AND VAPOR. CAUSES SERIOUS EYE IRRITATION.</b> For external use only. Use only as directed. Discontinue use immediately if irritation develops. Keep away from sources of ignition, sparks, open flames, hot surfaces. No smoking. Avoid breathing vapors, mist or spray. Contaminated work clothing should not be allowed out of the workplace. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. In case of fire use CO <sub>2</sub> , Halon (if permitted), dry chemical, or foam for extinction. Keep container tightly closed when not in use. <b>KEEP OUT OF REACH OF CHILDREN.</b>
15.2	Terms & Definitions:	See last page of this Safety Data Sheet.
15.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.