

Safety Data Sheet

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards	SDS Revision 1.0	SDS Revision Date: March 31, 2020
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1. PRODUCT & COMPANY IDENTIFICATION

Product Name:	Hand Sanitizer GH02052020
Chemical Name:	Ethanol Solution
Synonyms:	NA
Trade Names:	
Product Use:	Hand sanitizer
Distributor's Name	
Distributor's Address:	
Emergency Phone:	CHEMTEC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 206319)

2. HAZARDS IDENTIFICATION

Hazard Identification:	<p>This product is classified as a Hazardous Substance and as Dangerous Goods according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia).</p> <p>DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION.</p> <p>Classification: Flam. Liq. 2, Skin Irrit. 1, Eye Irrit. 2B</p>
Label Elements:	<p><u>Hazard Statements</u> (H): H225 – Flammable liquid and vapor. H319 – Causes eye irritation.</p> <p><u>Precautionary Statements</u> (P): P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 – Do not spray on open flame or other ignition source. P264 – Wash thoroughly after handling. P261 – Avoid breathing mist/vapor/spray. P272 – Contaminated clothing should not be allowed out of the workplace. P280 – Wear protective gloves. 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. Keep cool. P362+P364 – Take off contaminated clothing and wash it before reuse. P370+P378 – In case of fire use Water, Foam, CO2, Dry Chemical, Halon (if authorized). P403+P235 – Store in a well-ventilated place. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).</p>
Other Warnings:	Keep out the reach of children.

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3. COMPOSITION & INGREDIENT INFORMATION

Chemical Name	CAS No	EINECS No	%	Exposure Limits in Air (mg/m3)					
				ACGIH		OSHA			Other
				ppm		ppm			
				TLV	STEL	PEL	STEL	IDLH	
SD Alcohol 40B	64-17-5	200-578-6	70-75	1000	1000	1000	1000	1000	
D.I. Water	7732-18-5	231-791-2	25-30	NA	NA	NA	NA	NA	
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	110-82-7	NA	1-2	NA	NA	NA	NA	NA	
Glycerin	56-81-5	200-289-5	1-2	NA	NA	NA	NA	NA	
Sodium Hydroxide	1310-73-2	215-185-5	<1	NA	NA	NA	NA	NA	

4. FIRST AID MEASURES

First Aid:	<p><u>Ingestion:</u> If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p><u>Eyes:</u> Splashes are no likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.</p> <p><u>Skin:</u> If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.</p> <p><u>Inhalation:</u> Remove victim to fresh air at once.</p>
Effects of Exposure	<p><u>Ingestion:</u> If product is swallowed, may cause nausea, vomiting and/or diarrhea.</p> <p><u>Eyes:</u> Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.</p> <p><u>Skin:</u> May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.</p> <p><u>Inhalation:</u> None expected.</p>
Symptoms of Overexposure:	Overexposure in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
Acute Health Effects:	Moderate irritation to eyes. Moderate irritation to skin near affected areas.
Chronic Health Effects:	No harmful or chronic health effects are expected to occur from a single accidental ingestion. Components of this product contained in very small, may be mild allergens to some sensitive individuals.
Target Organs:	Eyes, Skin
Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).

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5. FIREFIGHTING MEASURES

Fire & Explosion Hazards:	DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR. Keep away from heat, lit cigarettes, sparks & open flame. Keep container closed. When exposed to high temperatures, may produce hazardous decomposition products such as oxides of carbon and nitrogen and smoke.
Extinguishing Methods:	Water, Foam, CO2, Dry Chemical, Halon (if authorized)
Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) 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 personal. 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.

6. ACCIDENTAL RELEASE MEASURES

Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE).</p> <p>For small spills (e.g., <1 gallon (3.8L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.</p> <p>For large spills (e.g., > 1 gallon (3.8L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (and or earth). Use only non-sparking tools for recovery and clean up. 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 drains, municipal sewers and open bodies of water.</p>
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7. HANDLING & STORAGE INFORMATION

Work & Hygiene Practices:	Do not eat, drink, or smoke while handling this product. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.
Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames.
Special Precautions:	Spilled material may be present a slipping hazard if left unattended.

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8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits: Ppm (mg/m3)	Chemical Name	CAS No	EINECS No	%	Exposure Limits in Air (mg/m3)						Other
					ACGIH		OSHA				
					ppm		ppm				
					TLV	STEL	PEL	STEL	IDLH		
	SD Alcohol 40B	64-17-5	200-578-6	70-75	1000	1000	1000	1000	1000		
	D.I. Water	7732-18-5	231-791-2	25-30	NA	NA	NA	NA	NA		
	Acrylates/C10-30 Alkyl										
	Acrylate Crosspolymer	110-82-7	NA	1-2	NA	NA	NA	NA	NA		
	Glycerin	56-81-5	200-289-5	1-2	NA	NA	NA	NA	NA		
	Sodium Hydroxide	1310-73-2	215-185-5	<1	NA	NA	NA	NA	NA		
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.										
Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR & 1910.134 or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, EU member states, or Australia.										
Eye Protection:	Avoid eye contact. Protective eyewear recommended. Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling large quantities 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.										
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 E.C. member states.										
Body Protection:	No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.										

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Gel
Odor:	Citrus, floral or woody odors
Odor Threshold:	NA
pH:	5.5 – 6.2
Melting Point/Freezing Point:	-114.1°C (-173.4°F)
Initial Boiling Point/Boiling Range:	78.5°C (173.3°F)
Flashpoint:	20°C (68°F) – Ethanol
Upper/Lower Flammability Limits:	NA
Vapor Pressure:	5.7 kPa (@ 20°C)

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Vapor Density:	.789 (water = 1)
Solubility:	NA
Partition Coefficient:	NA
Auto ignition Temperature	NA
Decomposition Temperature:	NA
Viscosity:	120,000 – 130,000 Spindle #3 @ .5RPM
Other Information:	Refractive Index: 1.5035-1.5235

11. STABILITY & REACTIVITY

Stability:	This product is stable.
Hazardous Decomposition Products:	Oxides of carbon and sulfur.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Open flames, sparks and high heat.
Incompatible Substances:	Ethanol rapidly absorbs moisture from the air. Can react vigorously with oxidizers. Ethanol is also incompatible with platinum, and sodium. Reacts vigorously with acetyl chloride.

12. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation	YES	Absorption	YES	Ingestion	NO
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Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product and is presented below: Ethanol: LD50 (oral, mouse): 3450 mg/kg.
Acute Toxicity:	See section 4
Chronic Toxicity:	See section 5
Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
Embryo toxicity:	This product is not reported to produce embryo toxic effects in humans.
Teratogenicity:	This product is not reported to cause teratogenicity effects in humans.
Irritancy of product:	See section 4
Biological Exposure Indices:	NE
Physician Recommendations:	Treat symptomatically.

13. ECOLOGICAL INFORMATION

Environmental Stability:	There are no specific data available for this product.
Effects on Plants & Animals:	There are no specific data available for this product.
Effects on Aquatic Life:	The product itself has not been tested as a whole. There are no specific data available for this product.

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14. DISPOSAL CONSIDERATIONS

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

15. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
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49 CFR (GND):	UN1170, ethanol solutions, 3, II, (LTD QTY, IP VOL < 1.0 L); or consumer commodity, ORM-D (until 12/31/2020)
IATA (AIR):	UN1170, ethanol solutions, 3, II, (LTD QTY, IP VOL < .50 L); or ID8000, consumer commodity, 9 (IP VOL < .5 L)
IMDG (OCN):	UN1170, ethanol solutions, 3, II (LTD QTY, IP VOL < 1.0 L)
TDGR (Canadian GND):	UN1170, ethanol solutions, 3, II, (LTD QTY, IP VOL < 1.0L); or MARK "LTD QTY" or "QUANT. LTEE" or "CONSUMER COMMODITY" or "BIEN DE CONSOMMATION"
ADR/RID (EU):	UN1170, ethanol solutions, 3, II, (LTD QTY, IP VOL < 1.0 L)
SCT (MEXICO):	UN1170, etanol en solucion, 3, II (CANT. LTDA., IP VOL < 1.0 L)
ADGR (AUS):	UN1170, ethanol solutions, 3, II, (LTD QTY, IP VOL < .0L)
EXCEPTED QUANTITIES:	THIS PRODUCT MAY BE SHIPPED AS AN EXCEPTED QUANTITY (IP VOL < 30ML; TOTAL VOL PER PKG < 500mL)

16. REGULATORY INFORMATION

SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
CERCLA Reportable Quantity:	NA
Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics). This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.
Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are listed on the Priorities Substances List. WHMIS B2, D2B, (Flammable Liquids, Other Toxic Effects).

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State Regulatory Information:	Ethanol is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right to know List (NJ), Pennsylvania Right to know List (PA), California Prop 65 (CA65) ethanol in alcoholic beverages) and Washington Permissible Exposures List (WA). No other ingredients in this product, present in a concentration of 1% or greater, are listed on any of the following state criteria lists: California Prop 65, Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right to Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right to Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
Other Requirements:	NA

17. OTHER INFORMATION

Other Information:	DANGER! HIGHLY FLAMMABLE AND VAPOR. Use only as directed. Discontinue use if irritation develops. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on open flame or other ignition source. Wash thoroughly after handling. Avoid breathing mist/vapor/spray. Contaminated clothing should not be allowed out of the workplace. Wear protective gloves. KEEP OUT OF REACH OF CHILDREN.
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. To the best of Cosmetic House International's knowledge, 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 contain herein relates only to the specific product(s). If this product(s) is combined with other materials, all components properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.