

HAND SANITIZER GEL

SECTION 1. IDENTIFICATION

Product Identifier	HAND SANITIZER GEL
Other Means of Identification	Formula Ref #F040-07
Product Family	Hand Sanitizer
Recommended Use	Hand sanitation.
Manufacturer	Custom Chemical Solutions, LLC, 167 Commerce Dr, Loveland, OH, 45140, (800)291-1057
Emergency Phone No.	CHEMTREC, 1-800-424-9300, CCN24086 Chemtrec International, 011-01-703-741-5970, CCN24086
Date of Preparation	May 27, 2020

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Flammable liquid - Category 2; Skin irritation - Category 2; Eye irritation - Category 2A; Aquatic hazard (Acute) - Category 2; Aquatic hazard (Chronic) - Category 3

Label Elements

Pictogram: Flame; Exclamation mark

Danger

Highly flammable liquid and vapor.

Causes skin irritation.

Causes serious eye damage.

Toxic to aquatic life.

Precautionary Statement(s):

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 explosion-proof electrical, ventilating, and lighting equipment.

Take precautionary measures against static discharge.

Wash hands thoroughly after handling.

Wear eye protection/face protection.

IF ON SKIN: Wash with plenty of water/

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER/doctor/

If skin irritation occurs: Get medical advice or attention.

Store in a well-ventilated place. Keep cool.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

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Other Hazards

Hazard Not Otherwise Classified (HNOC): Not applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Ethanol	64-17-5	60-70	None	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Immediately call a Poison Center or doctor.

Ingestion

Rinse mouth with water. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Center or doctor.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Symptoms include sore, red eyes, and tearing.

Immediate Medical Attention and Special Treatment

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

In a fire, the following hazardous materials may be generated: flammable chemicals.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution. Fight fire from a safe distance or a protected location. For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

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Emergency responders: wear eye protection - goggles.

Environmental Precautions

None specific.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: wipe up small spills with absorbent material such as cloth and clean and dry the area to remove any residue. Large spills or leaks: contact emergency services and manufacturer/supplier for advice.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes.

Conditions for Safe Storage

Store in the original, labelled, shipping container. Store in an area that is: out of direct sunlight and away from heat and ignition sources.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate Engineering Controls

Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Not required, if used as directed.

Respiratory Protection

Not required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear colorless viscous liquid. Particle Size: gel
Odor	Alcoholic
Odor Threshold	Not available
pH	6.5 - 8.5
Melting Point/Freezing Point	Not applicable (melting); < -17 °C (1 °F) (freezing)
Initial Boiling Point/Range	Not available
Flash Point	23 °C (73 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not available (lower)
Vapor Pressure	Not available
Vapor Density (air = 1)	Not available
Relative Density (water = 1)	0.79 - 0.96
Solubility	Soluble in all proportions in water; Not applicable (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Auto-ignition Temperature	Not applicable

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Decomposition Temperature	Not available
Viscosity	Not available (kinematic); 10000 - 15000 centipoises (dynamic)
Other Information	
Physical State	Liquid
Molecular Formula	Mixture
Molecular Weight	Not applicable
Bulk Density	Not applicable
Surface Tension	Not available
Critical Temperature	Not available
Electrical Conductivity	Not applicable
Vapor Pressure at 50 deg C	Not available
Saturated Vapor Concentration	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.
Stable.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

None specific.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

None specific.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethanol	30000 mg/L (rat) (4-hour exposure)	10,470 mg/L (rat)	15,800 mg/L (rabbit)

Skin Corrosion/Irritation

No information was located.

Serious Eye Damage/Irritation

Causes serious eye irritation based on skin irritation information.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

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Harmful based on information for closely related materials.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No data.

Respiratory and/or Skin Sensitization

No information was located for respiratory sensitization.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

Does not cause harm to the unborn child.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Ethanol	14,2000 mg/L (Pimephales promelas (fathead minnow); 96-hour)	Not available	Not available	5,012 mg/L (Desmodesmus subspicatus (algae); 48-hour)

Persistence and Degradability

Degrades rapidly in sewage treatment plants.

Bioaccumulative Potential

No information was located.

Mobility in Soil

Studies are not available. No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose spilled or damaged material in accordance with the Local, State and Federal regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
IATA (Air)	UN1170	Ethyl Alcohol	3	III
US DOT	UN1170	Ethyl Alcohol (Exempt from 49CFR Classification 173.150(b))	Exempt 49CFR, 173.150	NA
Canadian TDG	UN1170	Ethyl Alcohol (Limited Quantities Exempt Per 1.17 SOT/2008-306)	3	III

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

NDSL: Not listed. DSL: Listed.

USA

Additional USA Regulatory Lists

CERCLA: Not applicable. SARA Title III - Section 302: Not applicable. SARA Title III - Section 311/312: Yes.

SECTION 16. OTHER INFORMATION

NFPA Rating Health - 1 Flammability - 3 Instability - 0

SDS Prepared By John Koduru

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