

### SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier** 

Chemical Name Not applicable.
CAS No. Mixture

Trade Name Essential Hand Sanitizer Gel

Product code None

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)

Hand Sanitizer

Uses Advised Against None

Company Identification Genesis Custom Chemcial Blending LLC

2708 NE Main Street Ennis, TX 75119

Telephone (432) 661-3861

**Emergency telephone number** 

Emergency Phone No. CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887

(Collect calls accepted)

### **SECTION 2: HAZARDS IDENTIFICATION**

### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Label elements

Hazard Symbol

Signal Word(s)

Hazard Statement(s)

Precautionary Statement(s)

Flam. Liq. 2; Eye Irrit. 2



Highly flammable liquid and vapour.

Causes serious eye irritation.

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/lighting/equipment.

Take precautionary measures against static discharge.

Do not get in eyes.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Keep out of reach of children.

Other hazards None known.

Revision: April 30, 2020 Page: 1/6



### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredient(s)	% wt.	CAS No.
Ethanol (denatured)	68.17	64-17-5
Glycerol	2.90	56-81-5
2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate	1.6	25212-88-8
Hydrogen Peroxide	0.143	7722-84-1

Additional Information - None

### **SECTION 4: FIRST AID MEASURES**



Description of first aid measures

Inhalation Move person to fresh air. If breathing is laboured, administer oxygen.

Get medical advice/attention if you feel unwell.

Skin Contact If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing. If irritation develops

and persists, get medical attention.

Ingestion Call a POISON CENTER/doctor if you feel unwell.

Most important symptoms and effects, both acute and

delayed

Causes serious eye irritation.

Indication of any immediate medical attention and

special treatment needed

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

### **SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing media** 

-Suitable Extinguishing Media

-Unsuitable extinguishing Media

Special hazards arising from the substance or

mixture

Advice for fire-fighters

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Do not use water jet.

Vapours may ignite.

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying

with water if exposed to fire.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and

emergency procedures

Large spillages: Do not enter areas where used or stored until adequately ventilated. Eliminate all ignition sources if safe to do so. Do

not get in eyes.

Environmental precautions Large spillages: Prevent liquid entering sewers, basements and

workpits

Methods and material for containment and cleaning up

Large spillages: Cover spills with inert absorbent material. Transfer to

a container for disposal or recovery.

Reference to other sections None

Revision: April 30, 2020 Page: 2/6



Additional Information None

### **SECTION 7: HANDLING AND STORAGE**

Precautions for safe handling Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking. Keep container tightly closed. Do not

get in eyes.

**Bulk Handling**: Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Take

precautionary measures against static discharge.

Conditions for safe storage, including any incompatibilities

-Storage temperature Keep in a cool, well ventilated place.

-Incompatible materials This product should be stored away from sources of strong heat or

oxidising chemicals.

Specific end use(s) Hand Sanitizer

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

### **Occupational Exposure Limits**

		(8hr TWA)		STEL		
		PEL	TLV	PEL	TLV	
SUBSTANCE.	CAS No.	(OSHA)	(ACGIH)	(OSHA)	(ACGIH)	Note
Ethanol	64-17-5	1000 ppm			1000 ppm	
Hydrogen peroxide	7722-84-1	1 ppm	1 ppm			

Recommended monitoring method

Exposure controls

NIOSH 1400 (Alcohols I)

Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure

limit is not exceeded.

Personal protection equipment

Eye/face protection Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Bulk Handling: Wear suitable gloves if prolonged skin contact is

likely (Butyl rubber)

Respiratory protection

Bulk Handling: In case of insufficient ventilation, wear suitable

respiratory equipment.

Thermal hazards Not normally required.

Environmental Exposure Controls Avoid release to the environment.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

Revision: April 30, 2020 Page: 3/6



Solubility (Other)

# ESSENTIAL HAND SANITIZER GEL

Appearance Liquid
Colour. Clear
Odour Alcohol-like

Odour Alcohol-like
Odour Threshold (ppm) Not available

pH (Value)

Not available

Melting Point (°C) / Freezing Point (°C)

~ -114 (~ 173 °F)

Boiling point/boiling range (°C):

Flash Point (°C)

Evaporation Rate

Flammability (solid, gas)

Not applicable

Flammability (solid, gas)

Explosive Limit Ranges

Vapour pressure (Pascal)

Vapour Density (Air=1)

Density (g/ml)

Solubility (Water)

Not available

Not available

Partition Coefficient (n-Octanol/water)

Auto Ignition Point (°C)

Decomposition Temperature (°C)

Not available

Not available

Kinematic Viscosity < 20.5 @ 40 °C
Explosive properties Not explosive.

Oxidising properties Not oxidising.

Other information Not available

### **SECTION 10: STABILITY AND REACTIVITY**

Reactivity Stable under normal conditions.

Chemical stability Stable.

Possibility of hazardous reactions None anticipated.

**Conditions to avoid**Avoid contact with heat and ignition sources.

Incompatible materials Strong oxidising agents

### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

Acute toxicity Oral: LD50 > 5000 mg/kg-bw

Dermal: LD50 > 2000 mg/kg-bw

Not available

Inhalation: LC50 > 20 mg/l (Vapor), 4-hr. rat

Irritation/CorrosivityCauses serious eye irritation.SensitizationIt is not a skin sensitizer.

Repeated dose toxicity

Not to be expected.

Carcinogenicity It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

 Mutagenicity
 Not to be expected.

 Reproductive toxicity
 Not to be expected.

### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity** 

Short term LC50 (96 hour): > 100 mg/L (fish)

EC50 (48 hour): > 100 mg/L (crustacea) EC50 (72 hour): > 100 mg/L (algae)

Long Term Not to be expected.

Revision: April 30, 2020 Page: 4/6



Persistence and degradability
Bioaccumulative potential
Mobility in soil
Persistence ART and ARVR assessment

Results of PBT and vPvB assessment

Other adverse effects

Readily biodegradable. Not available.

Not available.

Not classified as PBT or vPvB.

None known.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

#### **SECTION 14: TRANSPORT INFORMATION**

	Land transport (U.S. DOT)	Sea transport <u>(IMDG)</u>	Air transport (ICAO/IATA)
UN number	UN 1170	UN 1170	UN 1170
Proper Shipping Name	Ethanol solution	Ethanol solution	Ethanol solution
Transport hazard class(es)	3	3	3
Packing group	II	II	II
Environmental hazards	No.	No.	No.
Special precautions for user	None assigned		

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

### **SECTION 15: REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture:

**TSCA (Toxic Substance Control Act) -** Inventory Status: All components listed and active, or exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

			RQ
Chemical Name	CAS No.	Typical %wt.	(Pounds)
None			

SARA 311/312 - Hazard Categories: Refer to SECTION 2 - HAZARDS IDENTIFICATION

### SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None		

### SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None			

### California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None		

### **SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1-16.

Date of preparation: April 29, 2020

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It

Revision: April 30, 2020 Page: 5/6



may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Revision: April 30, 2020 Page: 6/6