

Product Name: Fresh & Clean Moisturizing Hand Sanitizer

Product Brand: Gentle Clean

Product Number: LQCS-HS

Issued on: 3/27/2020

Version 1.1

Revision #: 0

Date of Revision: N/A



103 Enterprise Dr. Wentzville, MO 63385
800-542-7387 636-327-5533

SAFETY DATA SHEET

Section 1: Identification

Product Name:	Fresh & Clean Moisturizing Hand Sanitizer
Product Brand:	Gentle Clean
Product Number:	LQCS-HS
Manufacturer:	Cosmos Corporation 103 Enterprise Dr. Wentzville, MO 63385
Manufacturer Information Telephone #:	636-327-5533
Manufacturer Emergency Telephone #:	636-327-5533
Recommended Product Use:	Only for topical use as a hand sanitizer.
Restrictions on Product Use:	For external use only. Not for use on pets. Children under 6 years of age, use only under adult supervision.

Section 2: Hazard(s) Identification

Classification:	This product contains chemical(s) considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)
GHS Classification	
Flammable Liquids:	Category 3
Eye Irritation:	Category 2A
Emergency Overview	
Physical State:	Liquid
Appearance:	Clear/transparent to slightly hazy
Color:	Colorless to slightly amber

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GHS Label Element

Hazard Pictograms:



Signal Word:

Danger

Hazard Statements:

H226 Flammable liquid and vapor
H319 Causes serious eye irritation

Precautionary Statements:

General Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Prevention Precautionary Statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response Precautionary Statements

P303+361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+313 If eye irritation persists, get medical attention.
P370+P378 In case of fire: use dry chemical, CO₂, water spray, or fire-fighting foam to extinguish.
P403+P235 Store in a well-ventilated place. Keep Cool.
P501 Dispose of contents/container to approved waste disposal plant

Section 3: Composition / Information on Ingredients

Chemical Description (Substance or Mixture): Mixture

Chemical Name	CAS-No.	Concentration (% by Weight)	Exact Concentration Trade Secret?
Ethyl Alcohol	64-17-5	≥60% - ≤ 90%	Y
Glycerin	56-81-5	0 - 15%	Y
Aloe Barbadensis Leaf Extract	8001-97-6	0 - 15%	Y
Water	7732-18-5	10 - 55%	Y

Section 4: First Aid Measures

General Advices In case of adverse health effects, seek medical advice.

In Case of Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids, for at least 15 minutes. Remove contact lenses. Flush with water for at least another 10 minutes. Seek medical attention if necessary or if irritation persists.

In Case of Skin Contact: Wash contact area with flowing water. Seek medical attention if symptoms occur.

In Case of Ingestion: Do not induce vomiting if swallowed. Seek medical attention if symptoms occur. Rinse mouth thoroughly with water, but never give anything by mouth to an unconscious person.

In Case of Inhalation: Seek fresh air. Get medical attention if symptoms occur.

Most Important Symptoms and Effects – both Acute and Delayed: Causes serious eye irritation.

Notes to Physician: Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Alcohol resistant foam. Dry chemical. Water Spray. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: CAUTION: High volume water stream might be inefficient.

Specific Hazards During Fire Fighting: Vapors may form explosive mixtures with air. Do not use a solid water jet as it may scatter and disperse fire. Flash back possible over substantial distance. Exposure to combustion products may be a hazard to health.

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Specific Hazards Arising from the Chemical:

Risk of ignition – keep product and empty container away from heat and ignition sources. Should fire occur, cool containers with water spray. Vapors may form explosive mixtures with air and spread along ground – collecting in low or confined spaces (basements, sewers, drains). Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Uniform Fire Code:

Flammable liquid I-C

Hazardous Combustion Products:

Carbon oxides

Explosion Data:

Sensitivity to static discharge: Yes

Sensitivity to mechanical impact: No

Special Protective Equipment for Firefighters:

In the event of fire, wear self-contained breathing apparatus and use personal protective equipment.

Section 6: Accidental Release Measures

Personal Precautions:

Remove all potential sources of ignition. Do not touch or walk through spilled material. Avoid contact with eyes and clothing. Ensure adequate ventilation. Avoid all potential static discharge. Keep others away and upwind. Avoid flashback. Ground all equipment when handling product.

Other Information:

For personal protective measures, refer to sections 7 and 8.

Environmental Precautions:

Prevent all discharge into the environment. Prevent product from entering drains. Collect and dispose of contaminated rinse water. Advise local authorities if large spills cannot be contained. Prevent further spillage or leakage if safe to do so. Prevent spreading over a wide area through containment or oil barriers.

Methods and Materials for Containment and Clean Up:

Only use non-sparking tools. Prevent further spillage or leakage if safe to do so. Do not touch or walk through spilled material. For small spills, soak up with inert absorbent material. For large spills, suppress vapors with a water spray or vapor suppressing foam. Use diking to keep material from spreading. Keep out of drains, ditches, sewers, and bodies of water. Transfer any absorbent material to properly labeled containers. Take precautionary measures against static discharge.

Section 7: Handling and Storage

Storage Safety: Store near room temperature (60-80 °F) for best product performance. Avoid freezing. Avoid storing above 110 °F. Keep tightly closed in original container with labeling intact. Keep in a well-ventilated area. Store in accordance with any applicable national or local regulations. Keep away from heat and ignition sources. Keep in an area equipped with a sprinkler system.

Handling Safety: Handle in accordance with good industrial hygiene and safety practice. Eliminate all sources of ignition, flame, or heat. Use only non-sparking tools. Ground all equipment and containers. Do not get in eyes. Do not breathe vapors or spray mist. Do not ingest/swallow. Avoid prolonged or repeated contact with skin. Keep container tightly closed. Take precaution against static discharge. Prevent spills and release to the environment. Do not eat, drink, or smoke when using this product. Avoid contact with clothing. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. In poor ventilation, wear suitable protective respiratory equipment.

Technical measures: See engineering recommendations under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Incompatible Products: Do not store or handle with the following product types:
 Gases. Flammable gasses. Self-heating substances and mixtures.
 Flammable solids. Explosives. Strong oxidizing agents. Pyrophoric liquids.
 Pyrophoric solids. Organic peroxides. Substances that produce flammable gases upon contacting water.

Section 8: Exposure Controls / Personal Protection

OSHA Permissible Exposure Limit (PEL): None established for the complete product. Individual ingredient information is listed below.

Chemical Name	CAS#	Amount	OSHA PEL	ACGIH TLV	NIOSH IDLH
Ethyl Alcohol	64-17-5	60-90% (w)	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	STEL: 1000 ppm	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m ³
Glycerin	56-81-5	0-15% (w)	TWA: 15 mg/m ³ (mist, total particulate) TWA: 5 mg/m ³ (mist, respirable fraction) (vacated) TWA: 10 mg/m ³ (mist, total particulate) (vacated) TWA: 5 mg/m ³ (mist, respirable fraction)	TWA: 10 mg/m ³ (mist)	

OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits
NIOSH IDLH: Immediately Dangerous to Life or Health
ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value

- Appropriate Engineering Controls:** Eyewash stations
Minimize workplace exposure concentrations
Showers
Use only in an area equipped with explosion proof exhaust ventilation
Use with local exhaust ventilation
- Respiratory Protection:** General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. If limits are exceeded or unknown, proper respiratory protection should be worn according to (29 CFR 1910.134). Use NIOSH/MSHA approved respirators. If there is potential for uncontrolled release or exposure levels are unknown, use a positive air pressure supplied respirator.
- Protective Gloves:** Wear impervious and flame-resistant gloves selected according to chemical resistance information provided by the manufacturer and assessment of exposure potential.
- Skin and Body Protection:** Wear protective long sleeved clothing selected according to chemical resistance information provided by the manufacturer and assessment of exposure potential. Wear antistatic, flame retardant clothing with impervious coverage.
- Eye Protection:** Avoid contact with eyes. Wear tightly sealing safety goggles.
- Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Ensure that eye flushing systems and safety showers are located close to the workplace. Avoid contact with eyes and clothing. Do not eat, drink or smoke when using. Remove and wash contaminated clothing before re-use.

Section 9: Physical and Chemical Properties

Boiling Point:	Not available	Specific Gravity:	0.80 – 0.92 (TBD)
Flash Point:	70°F (21.1°C)	Evaporation Rate:	Not available
Vapor Density:	Not available	Color:	Colorless to slightly amber
Solubility in Water:	Not available	Odors:	Characteristic ethyl alcohol smell
Melting/Freezing Point:	Not available	pH:	7.0 – 10.0 (TBD)
Physical State:	Liquid	Odor Threshold:	Not available
Vapor Pressure:	Not available	Relative Density:	Not available
Viscosity:	Similar to water	Upper Flammability:	Not available
Decomposition Temp:	Not available	Lower Flammability:	Not available
Auto-Ignition Temp:	Not available	Flammability:	Not available

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Section 10: Stability and Reactivity

Reactivity: No test data at this time.
Chemical Stability: This product is stable under normal recommended storage and handling conditions.

Other

Hazardous Decomposition: Carbon oxides
Incompatibility: Strong oxidizing agents. Strong acids. Flammable liquid and vapor. Vapor may form explosive mixture with air.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Heat, flames, and sparks.

Section 11: Toxicological Information

While there is no data for the mixture/complete product, the following information describes some of the potential hazards of some of the individual ingredients.

Information on Likely Routes of Exposure:

Inhalation: May cause irritation of the respiratory tract.
Ingestion: Ingestion may cause irritation to mucous membranes, nausea, diarrhea, vomiting or gastrointestinal irritation.
Skin contact: Prolonged contact may cause redness or irritation.
Eye contact: Causes serious eye irritation. May cause redness, itching, and pain.

Ingredients:

Ethyl Alcohol (CAS 64-17-5):

Acute Oral Toxicity: LD50 (Rat): > 5,000 mg/kg
Acute Inhalation Toxicity: LC50 (Rat): 124.7 mg/l Exposure time: 4 h
Test atmosphere: vapor
Carcinogenic Effects: A4 – Not classifiable for human or animal by ACGIH.
Mutagenic Effects: Not available.
Teratogenic Effects: Not available.
Developmental toxicity: Ethyl alcohol is a developmental toxin when consumed during pregnancy.
Target Organs: When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood, and reproductive system.
Inhalation: May cause irritation to the mucous membranes of the upper respiratory tract. Exposure over 1000 ppm may cause headache, drowsiness, lassitude, loss of appetite, inability to concentrate, and throat irritation.

Ingestion:	Can cause depression of Central Nervous System, nausea, vomiting, diarrhea, intoxication, and in acute cases, death.
Eye:	Liquid and vapor may cause irritation. Splashes may cause temporary pain and blurred vision.
Skin:	May cause irritation, cracking, flaking, and defatting of skin on prolonged contact.
Chronic Exposure:	Prolonged skin contact causes drying and cracking of skin. May affect nervous system, liver, blood, reproductive system.
Glycerin (CAS 56-81-5):	
Acute Oral Toxicity:	LD50 (Rat): 12,600 mg/kg
Acute Inhalation Toxicity:	LC50 (Rat): > 570 mg ³ / Exposure time: 1 h
Acute Dermal Toxicity:	LC50 (Rabbit) > 10,000 mg/kg
Carcinogenic Effects:	N/A
Mutagenic Effects:	Not mutagenic (Ames test)
Reproductive Toxicity:	N/A
Developmental Toxicity:	N/A
Inhalation:	No data available.
Ingestion:	Expected to be a low ingestion hazard.
Eye:	Mild eye irritation – 24 h.
Skin:	Mild skin irritation – 24 h
Chronic Exposure:	Prolonged or repeated exposure may cause nausea, headache, vomiting.

Section 12: Ecological Information

No ecological information is available at this time.

Section 13: Disposal Considerations

Waste Disposal Methods: Material should be disposed of in accordance to current federal, state and local regulations.

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Section 14: Transport Information

Domestic Regulation:

49 CFR

UN/ID/NA number:

UN 1987

Proper shipping name:

ALCOHOLS, N.O.S.

Class:

3

Packing group:

III

Labels:

FLAMMABLE LIQUID

ERG Code:

127

Section 15: Regulatory Information

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Section 16: Other Information

The information contained herein is based on the data available to us and is believed to be correct to the best of our ability. However, Cosmos Corporation makes no warranty, expressed or implied regarding the accuracy of this data nor assumes any responsibility for injury from the intentional or non-intentional misuse of this product.