




# Hand Sanitizer Liquid Foam Safety Data Sheet

Version 1

<b>Section 1:</b>	<b>Identification of substance</b>
<b>1.1 Product Identifier</b>	<b>1.2 Details of the manufacture of the SDS</b>
Product name: Hand Sanitizer Liquid Foam	First Chemical Limited
Product UPC: 27909-08850	83 Torbarrie Road
Product code: 08850	Toronto, Ontario M3L 1G5
NPN 80101569	
UN1170	
1.3 Emergency telephone number: CHEMTREC: 1-800-424-9300	

<b>Section 2:</b>	<b>Hazard Identification</b>
<b>2.1 GHS Classification</b>	
Serious eye damage/eye irritation: Category 2A	
Flammable liquids: Category 2	
<b>2.2 Label elements</b>	
Hazard pictogram: GHS Labeling	
	
Signal word: Danger	
Hazard Statement: GHS –	
<ul style="list-style-type: none"> <li>- Highly flammable liquid and vapor.</li> <li>- Causes serious eye irritation.</li> </ul>	
<b>2.3 Precautionary Statements</b>	
Prevention	Do not breathe mist, vapors or spray. Wash hands and any exposed skin thoroughly after handling. Wear protective gloves. Wear eye/face protection. Wear protective clothing.
Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
Skin	Take off immediately all contaminated clothing. Rinse skin with water/shower
In case of fire	Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish

Storage	Store in a well-ventilated place. Keep cool
Disposal	Dispose of contents/container to an approved waste disposal plant
Hazards Not Otherwise Classified	Not Applicable
<b>2.4 Unknown score toxicity GHS: None</b>	
<b>This material is considered hazardous by the Hazardous Products Regulations.</b>	

Section 3:	Composition/information on ingredients		
Chemical Name	Cas- No	Concentration: (%)	
Ethanol	64-17-5	60-80	
Hydrogen peroxide (H2O2)	7722-84-1	> 0.1	
Water	7732-18-5	< 40 %	
Glycerol	56-81-5	1.45	

Section 4:	First Aid Measures	
<b>In case of eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention	
<b>In case of skin contact:</b>	None under normal use conditions. If skin irritation occurs: Get medical advice/attention	
<b>Ingestion:</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.	
<b>If inhaled:</b>	Remove to get fresh air. Get medical attention if symptoms occur.	
<b>Notes to physician:</b>	Treat symptomatically	
<b>Most important symptoms/effects both acute and delayed:</b>	May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.	

Section 5:	Firefighting Measures	
<b>5.1 Extinguishing media</b>		
<i>Suitable extinguishing media:</i>		
Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam		
<i>Unsuitable extinguishing media:</i>		

None known based on information supplied.

### 5.2 Explosion data

**Sensitivity to mechanical impact** None

**Sensitivity to static discharge** Yes..

### 5.3 Special protective equipment for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## Section 6:

### Accidental Release Measures

#### 6.1 Personal Precautions:

Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

#### 6.2 Methods and material for containment and cleaning up

**Methods for containment:** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up:** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## Section 7:

### Handling and Storage

#### 7.1 Handling Procedures:

##### Advice on safe handling

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials.

Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Section 8:		Exposure Controls/ Personal Protection	
<b>8.1 Table</b>			
Chemical Name	ACIH TLV	OSHA PEL	NOISH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Glycerol 56-81-5		TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	
Hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m <sup>3</sup>	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>
<b>8.2 Appropriate engineering controls</b>			
<b>Engineering controls:</b> Showers Eyewash stations Ventilation systems.			
<b>8.3 Individual protection measures, such as personal protective equipment</b>			
<b>Eye/face protection:</b> Tight sealing safety goggles.			
<b>Hand protection:</b> Wear suitable gloves.			
<b>Skin and body protection</b> Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.			
<b>Respiratory protection</b> No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.			
<b>General hygiene considerations</b> Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.			

Section 9:		Physical and Chemical Properties	
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<b>Appearance:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Alcohol
<b>PH:</b>	No data available
<b>Flash point:</b>	17.5°C/ 63.5 °F
<b>Odor threshold:</b>	No data available
<b>Melting/ Freezing point:</b>	No data available
<b>Boiling point/boiling range:</b>	78.3°C/172.9 °F
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid/gas):</b>	No data available
<b>Upper explosion limit:</b>	No data available
<b>Lower explosion limit:</b>	No data available
<b>Vapour pressure:</b>	No data available
<b>Specific gravity:</b>	No data available
<b>Water solubility:</b>	No data available
<b>Auto- ignition temperature:</b>	No data available

<b>Section 10:</b>	<b>Stability and Reactivity</b>
<b>10.1 Reactivity:</b>	None under normal use conditions.
<b>10.2 Chemical Stability:</b>	Stable under normal conditions.
<b>10.3 Possibility of Hazardous Reactions:</b>	None under normal processing.
<b>10.4 Conditions to avoid:</b>	Heat, flames and sparks.
<b>10.5 Incompatible materials:</b>	None known based on information supplied.
<b>10.6 Hazardous Decomposition products:</b>	None known based on information supplied.

<b>Section 11:</b>	<b>Toxicological information</b>
<b>Table 11.1 Toxic Effects on Humans</b>	
Routes of exposure	Eyes, skin, ingestion, inhalation
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May be harmful if inhaled. May cause drowsiness or dizziness.

Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. Causes mild skin irritation Prolonged contact may cause redness and irritation
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Table 11.2 Component Acute Toxicity information**

Chemical Name	Oral LD 50	Dermal LD 50	Inhalation LD 50
Ethanol 64-17-5	= 7060 mg/kg ( Rat )	N/A	= 124.7 mg/L ( Rat ) 4 h
Water 7732-18-5	> 90 mL/kg ( Rat )	N/A	N/A
Glycerol 56-81-5	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Hydrogen peroxide 7722-84-1	= 1518 mg/kg ( Rat )	= 9200 mg/kg ( Rabbit )	= 2000 mg/m <sup>3</sup> ( Rat ) 4 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure** *Skin corrosion/irritation* Classification based on data available for ingredients. May cause skin irritation.

*Serious eye damage/eye irritation* Classification based on data available for ingredients. Causes serious eye irritation.

*Respiratory or skin sensitization* No information available.

*Germ cell mutagenicity* No information available.

*Carcinogenicity* Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. Based on available data, the classification criteria are not met.

Table 11.3

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3	Group 1	Known	X
Hydrogen peroxide 7722-84-1	A3	Group 3	-	-

**Legend**

**ACGIH** (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available

Section 12:		Ecological Information	
Chemical name	Algae/aquatic plants	Fish	Crustacea
Ethanol 64-17-5	-	LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss) LC50: 13400 - 15100mg/L (96h, Pimephales promelas) LC50: >100mg/L (96h, Pimephales promelas)	LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =2mg/L (48h, Daphnia magna)
Glycerol 56-81-5	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-
Hydrogen peroxide 7722-84-1	-	LC50: 18 - 56mg/L (96h, Lepomis macrochirus) LC50: =16.4mg/L (96h, Pimephales promelas) LC50: 10.0 - 32.0mg/L (96h, Oncorhynchus mykiss)	EC50: 18 - 32mg/L (48h, Daphnia magna)
<b>Persistence and degradability</b> No information available.			
<b>Bioaccumulation</b> There is no data for this product.			
<b>Component Information</b>			
Chemical name		Partition coefficient	
Ethanol 64-17-5		-0.32	
Glycerol 56-81-5		1	

Section 13:	Disposal Considerations
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**Waste Treatment Methods:**

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Section 14:	Transport Information
<b><u>DOT</u></b> <b>UN/ID no</b> <b>Proper shipping name</b> <b>Hazard class</b> <b>Packing group</b> <b>Special Provisions</b> <b>DOT Marine Pollutant</b> <b>Description</b> <b>Emergency Response Guide Number</b>	 UN1170 ETHANOL 62/87,216 3 II 24, IB2, T4, TP1 NP UN1170, ETHANOL62/87,216, 3, II 127
<b><u>IATA</u></b> <b>UN number</b> <b>UN proper shipping name</b> <b>Transport hazard class(es)</b> <b>Packing group</b> <b>ERG Code</b> <b>Special Provisions</b> <b>Description</b>	 UN1170 EthanolVROXWLRQ 3 II 3L A180, A3, A58 UN1170, EthanolVROXWLRQ, 3, II
<b><u>IMDG</u></b> <b>UN number</b> <b>UN proper shipping name</b> <b>Transport hazard class(es)</b> <b>Packing group</b> <b>EmS-No</b> <b>Marine pollutant</b> <b>Special Provisions</b> <b>Description</b>	 UN1170 ETHANOL62/87,21 3 II F-E, S-D NP 144 UN1170, ETHANOL62/87,21, 3, II, (17.5°C C.C.)

Section 15:	Regulatory Information
15.1 International inventories: TSCA DSL/NDSL <u>Legend:</u> TSCA: United States Toxic Substances Control Act Section 8(b) Inventory DSL/ NDSL: Canada (DSL)	



The components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.

**15. 2US FEDERAL REGULATIONS:**

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**15.3 CWA (CLEAN WATER ACT)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40CFR 122.42)

**15.4 California proposition 65**

Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage. This product contains the following Proposition 65 chemicals:

Section 16:		Other Information						
NFPA	Health Hazards	2	Flammability	3	Instability	0	Special	N/A
HMIS	Health Hazards	2	Flammability	3	Physical Hazards	0		
Revision Date:		Prepared by:		Issuing Date:				
June 20 <sup>th</sup> 2020		Regulatory Affairs P.R.		06/20/2020				

The information provided in this Safety Data Sheet is correct to best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet