

## Safety Data Sheet

### Section 1: Identification

**GHS Product Identifier**

FDA Hand Sanitizer

**Product Name**

FDA Hand Sanitizer

**Product Type**

Finished Product- Consumer (Retail) Use Only

**Product Code****Details of the supplier of the safety data sheet**

Manufacturer CMC:

Continental Manufacturing Chemist, Inc.

1501 Blue Sky Blvd

Huxley, Iowa 50124

[www.cmchemist.com](http://www.cmchemist.com)

1-515-795-2000 Contact: Bruce A. Gartin

**Emergency telephone number**

Chemtrec

1-800-424-9300

**Recommended use of the chemical and restrictions on use**

Recommended use

Hand Sanitizer

Restrictions on use

This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

## Section 2: Hazard Identification

### GHS Classification

Flammable liquids

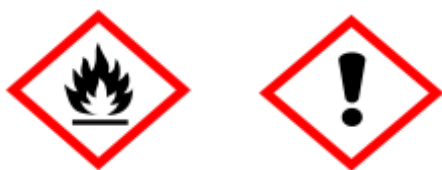
Category 3

Eye Irritation

Category 2A

### GHS label elements

Hazard pictograms



Signal Word: Warning

Precautionary Statements:

#### Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed. 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/ eye protection/ face protection.

#### Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

**Other Hazards**

None known

Section 3: Composition/Information on Ingredients				
Chemical Name	Identifiers – CAS #	%(weight)	Comments	
DI Water	CAS NO 7732-18-5	20 %-22%		
Glycerol	Cas NO 56-81-5	2.0%-3.0%		
Hydrogen Peroxide	CAS NO 7722-84-1	0.3%-0.4%		
sda 40b 200	CAS NO 64-17-5	75% -77%	Mixture	

**Section 4: First-Aid Measures**

**General advice:** In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical Health Hazard

**If inhaled:** If inhaled remove to fresh air. Get medical attention if symptoms occur

**In case of skin contact:** Wash with water and soap as a precaution. Get medical attention if symptoms occur.

## Section 5: Fire-Fighting Measures

<b>Suitable extinguishing media:</b>	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO <sub>2</sub> ) water jet Specific
<b>Unsuitable extinguishing media</b>	High Volume water jet
<b>Specific hazards during firefighting:</b>	Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air
<b>Hazardous combustion products:</b>	Carbon oxides Silicon oxides
<b>Specific extinguishing methods:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
<b>Special protective equipment for fire-fighters:</b>	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

## Section 6: Accidental Release Measures

<b>Personal precautions</b>	Remove all sources of ignition
<b>Protective equipment and emergency procedures</b>	Use personal protective equipment. Follow safe handling advice and PPE recommendations.
<b>Environmental precautions:</b>	Discharge into the environment must be avoided.

Prevent further leakage or spillage if safe to do so.

Prevent spreading over a wide area (e.g. by containment or oil barriers).

Retain and dispose of contaminated wash water.

Local authorities should be advised if significant spillages cannot be contained.

**Methods, materials for containment, cleaning up:**

Non-sparking tools should be used.

Soak up with inert absorbent material.

Suppress (knock down) gases/vapors/mists with a water spray jet.

For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.

Clean up remaining materials from spill with suitable a absorbent.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

**Section 7: Handling and Storage**

**Technical measures:**

See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

**Local/Total ventilation:**

Use with local exhaust ventilation. Use only in an area equipped with explosion proof exhaust ventilation.

**Advice on safe handling:**

Do not breathe vapors or spray mist.

Do not swallow.

Do not get in eyes.

Avoid prolonged or repeated contact with skin.

Handle in accordance with good industrial hygiene and safety practice.

Non-sparking tools should be used. Keep container tightly closed.

Keep away from heat and sources of ignition.

Take precautionary measures against static discharges.

Take care to prevent spills, waste and minimize release to the environment.

**Conditions for safe storage:**

Keep in properly labeled containers. Keep tightly closed.

Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.

**Materials to avoid**

Do not store with the following product types:

Strong oxidizing agents

Organic peroxides

Flammable solids

Pyrophoric liquids

Pyrophoric solids

Self-heating substances and mixtures

Substances and mixtures which in contact with water emit flammable gases

Explosives

Gases

## Section 8: Exposure Controls/Personal Protection

### Ingredients with workplace control parameters

Ingredients	Cas No	Value Type	Control parameters/ Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900mg/m <sup>3</sup>	NIOSH REL

### Engineering measures

Minimize workplace exposure concentrations  
Use only in an area equipped with explosionproof exhaust ventilation  
Use with local exhaust

### Personal protective equipment

Respiratory protection:

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.

Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

### Hand protection

Material:

Impervious gloves

Material:

Flame retardant gloves

Remarks:

Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the

product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection:

Wear the following personal protective equipment:  
Safety goggles

Skin and body protection:

Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Wear the following personal protective equipment: Flame retardant antistatic protective clothing. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.).

Hygiene measures:

Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-us

## Section 9: Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

#### Material Description

<b>Physical Form</b>	Gel/Liquid	<b>Appearance/Description</b>	
<b>Color</b>	Clear	<b>Odor</b>	Characteristic Alcohol odor
<b>Taste</b>	Data Not Available	<b>Particulate Type</b>	Data Not Available
<b>Particulate Size</b>	Data Not Available	<b>Aerosol Type</b>	Data Not Available
<b>Odor Threshold</b>	Data Not Available	<b>Physical and Chemical Properties</b>	Gel
<b>General Properties</b>	Data Not Available		Data Not Available
<b>Boiling Point</b>	Data Not Available	<b>Melting Point</b>	Data Not Available
<b>Decomposition Temperature</b>	Data Not Available	<b>Heat of Decomposition</b>	Data Not Available
<b>pH</b>	Range 7.2	<b>Specific Gravity/Relative Density</b>	0.86g/ml
<b>Density</b>	Data Not Available	<b>Bulk Density</b>	Data Not Available



<b>Water Solubility</b>	Data Not Available	<b>Solvent Solubility</b>	Data Not Available
<b>Viscosity</b>	liquid	<b>Explosive Properties</b>	Data Not Available
<b>Oxidizing Properties</b>	Data Not Available		Data Not Available
<b>Volatility</b>	Data Not Available		Data Not Available
<b>Vapor Pressure</b>	Data Not Available	<b>Vapor Density</b>	Data Not Available
<b>Evaporation Rate</b>	Data Not Available	<b>VOC (Wt.)</b>	Data Not Available
<b>VOC (Vol.)</b>	Data Not Available	<b>Volatiles (Wt.)</b>	Data Not Available
<b>Volatiles (Vol.)</b>	Data Not Available		
<b>Flammability</b>	Data Not Available		
<b>Flash Point</b>	Data Not Available	<b>UEL</b>	Data Not Available
<b>LEL</b>	Data Not Available	<b>Auto ignition</b>	Data Not Available
<b>Self-Accelerating Decomposition Temperature (SADT)</b>	Data Not Available	<b>Heat of Combustion</b>	Data Not Available
<b>Burning Time</b>	Data Not Available	<b>Flame Duration</b>	Data Not Available
<b>Flame Height</b>	Data Not Available	<b>Flame Extension</b>	Data Not Available
<b>Ignition Distance</b>	Data Not Available	<b>Flammability (solid, gas)</b>	Data Not Available
<b>Environment</b>	Data Not Available		
<b>Half-Life</b>	Data Not Available	<b>Octanol/Water Partition coefficient</b>	Data Not Available
<b>Coefficient of water/oil distribution</b>	Data Not Available	<b>Bioaccumulation Factor</b>	Data Not Available
<b>Bioconcentration Factor</b>	Data Not Available	<b>Biochemical Oxygen Demand BOD/BOD5</b>	Data Not Available
<b>Chemical Oxygen Demand</b>	Data Not Available	<b>Persistence</b>	Data Not Available
<b>Degradation</b>	Data Not Available		

## Section 10: Stability and Reactivity

<b>Reactivity:</b> <b>Chemical stability:</b> <b>Possibility of hazardous reactions:</b>	<b>Not classified as a reactivity hazard.</b> <b>Stable under normal conditions</b>
<b>Conditions to avoid</b> <b>Incompatible materials</b> Hazardous decomposition products	<b>Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.</b>  Heat, flames and sparks. Oxidizing agents No hazardous decomposition products are known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes

Inhalation

Skin Contact

Ingestion

Eye Contact

### Acute Toxicity

Not classified based on available information

### Product

Acute oral toxicity

Acute toxicity estimate: > 5,000 mg/kg Method: Calculation menthol

### Ingredients:

Ethanol:

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

### Skin corrosion/irritation

Not classified based on available information.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Ingredients:**

Species:	Rabbit
Result	Irritation to eyes reversed 21 days
Method	OECD Test Guideline 405

**Respiratory or skin sensitization**

Skin sensitization: Not classified based on available information. Respiratory sensitization: Not classified based on available information.

**Product:** Product does not cause skin sensitization

**Ingredients:**

Ethanol:	
Test Type:	Local lymph node assay (LLNA)
Routes of exposure:	Skin contact
Species: Mouse Result:	negative

**Germ cell mutagenicity**

Not classified based on available information

**Ingredients:**

Ethanol:	
Genotoxicity in vitro	Test Type: In vitro mammalian cell gene mutation test Result: negative
Genotoxicity in vivo	Test Type: Rodent dominant lethal test (germ cell) (in vivo) Species: Mouse Application Route: Ingestion Result: negative

**Carcinogenicity**

Not classified based on available information

**Reproductive toxicity**

Not classified based on available information

**Ingredients:**

Ethanol

Effects on fertility

Test Type: Two-generation reproduction toxicity

study Species: Mouse Application Route:  
Ingestion Method: OECD Test Guideline 416  
Result: negative

STOT-single exposure Not classified based on  
available information

**Repeated dose toxicity**

Ethanol

: Ethanol: Species:

Rat NOAEL: 2,400 mg/kg

Application Route: Ingestion

Exposure time: 2 y

**Aspiration toxicity**

Not classified based on available information.

**SECTION 12. Ecological Information****Ingredients:**

Ethanol:

Toxicity to fish

LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l

Exposure time: 96 h

Toxicity to daphnia and

other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l E

Exposure time: 48 h

Toxicity to algae

EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l

Exposure time: 72 h Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

NOEC (Daphnia magna (Water flea)): 9.6 mg/l  
Exposure time: 9 d

**Persistence and degradability**

Ethanol:

Biodegradability

Result: Readily biodegradable.

Biodegradation: 84 %

Exposure time: 20 d

**SECTION 13. Disposal Considerations**

Disposal methods Waste from residues:

Dispose of in accordance with local regulations.

Contaminated packaging:

Dispose of as unused product.

**SECTION 14 Transportation Information**

**Domestic regulation** 49 CFR

UN/ID/NA number: UN 1170

Proper shipping name: ALCOHOLS, N.O.S. (Flammable Liquid Ethanol Alcohol)

Class: 3

Packing group: III

Freight Class: 85

NMFC – 44500-3

Label: 3

FLAMMABLE LIQUID

ERG Code: 127

**Marine Pollutant No**

## **International Regulation**

### **UNRTDG**

UN number: UN 1170

Proper shipping name: ALCOHOLS, N.O.S. (Flammable Liquid, Ethanol Alcohol)

Class: 3

Packing group: III

Label: 3

### **IATA-DGR**

UN/ID No.: UN 1170

Proper shipping name: Alcohols, n.o.s. (Flammable Liquid, Ethanol Alcohol)

Class: 3

Packing group: III

Label: 3

Flammable Liquids

Packing instruction (cargo aircraft): 366

Packing instruction (passenger aircraft): 355

### **IMDG-Code**

UN number: UN 1170

Proper shipping name: ALCOHOLS, N.O.S. (Flammable Liquid, Ethanol Alcohol)

Class: 3

Packing group: III

Label: 3

Ems Code: F-E, S-D

## SECTION 15. Regulatory Information

### **EPCRA - Emergency Planning and Community Right-to-Know**

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

#### **SARA 311/312 Hazards**

Fire Hazard

Acute Health Hazard

#### **SARA 302:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### **SARA 313**

The following components are subject to reporting levels established by SARA Title III, Section 313:

### **US State Regulations**

#### **Pennsylvania Right to Know**

**Ethanol 75-79% 64-17-5**

#### **New Jersey Right to Know**

**Ethanol 75-79% 64-17-5**

### **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.

### **Inventories**

The ingredients of this product are reported in the following inventories:

AICS: All ingredients listed or exempt

**SECTION 16 Other Information**

**Last Revision Date** 04/27/2020

**Preparation Date** 04/13/2020

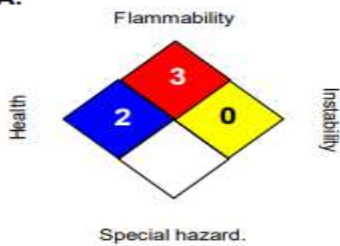
**Disclaimer/Statement of Liability**

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.

Furthermore, vendor assumes no responsibility for Injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be direct to the manufacturer of the product as described in Section 1

**Further information**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic



**Full text of other abbreviations**

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	: ACGIH - Biological Exposure Indices (BEI)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
NIOSH REL / TWA	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA	: 8-hour time weighted average
Sources of key data used to compile the Material Safety Data Sheet	: Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>