

Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System
Date of Revision: 08/13/2020 Revision: 01

Section 1 - Chemical Product and Company Identification

Product Name: Hand D 70% Ethanol Gel Hand Sanitizer

1.2 Synonym: Blend

1.3 B3C Fuel Solutions LLC, 108 Daytona Street, Conway, SC 29526, 843-347-0482

1.4 Recommended Use: Hand Sanitizer

1.5 **RESTRICTIONS on USE** **DO NOT DRINK! This product is safe for external use only on hands.**

1.6 Emergency Response Number: INFOTRAC 800-535-5053

International Emergency Telephone Number: +1-352-323-3500

Section 2 - Hazards Identification

2.1 GHS HAZARD

Hazard Classes

Hazard Categories

Flammable liquid/vapor
Eye Irritation

Category 3
Category 2A

2.2 Signal Word: **Warning**

2.3 Pictograms:



Flame

Irritant

2.4 Hazard Statements

PHYSICAL HAZARDS:

H226: Flammable liquid and vapor.

HEALTH HAZARDS:

H319: Causes serious eye irritation.

ENVIRONMENTAL HAZARDS:

None

PRECAUTIONARY STATEMENTS:

P102: Keep out of reach of children.

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P210: Keep away from sparks and open flames-
No smoking.

RESPONSE STATEMENTS:

P305+P351: IF IN EYES. Rinse cautiously with water for at least 15 minutes.

P313+P332: If in eye irritation persists, get medical attention.

P370+P378: In case of fire, use foam, carbon dioxide, dry chemical to extinguish the fire.

STORAGE STATEMENTS:

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

DISPOSAL STATEMENTS:

P501: Dispose of content and container per local, regional, national, or international regulations.

2.5 Hazards not otherwise classified (HNOC) or not covered by GHS: For external use only on hands.

Section 3 - Composition / Information on Ingredients

3.1

CAS#	EC#	Chemical Names	Percent	Classification
64-17-5	200-578-6	Ethanol	70	Flam. Liq. 2 H225, Eye Irrit. 2 H319
56-81-5	200-289-5	Glycerol	1.3	Not Classified
Trade Secret	Trade Secret	Fluorinated polymer	0.8	Not Classified
Trade Secret	Trade Secret	CITRAL-95-C1161	0.1	At this concentration no Information provided by supplier on hazards.
7732-18-5	231-791-2	Water	27.9	Not classified

Section 4 - First Aid Measures

4.1 Eye: Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

4.2 Skin: Stop use and get medical aid if irritation or redness develops. Avoid contact with broken skin.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately and wash clothing before reuse.

4.3 Ingestion: Liquid ingestion is poisonous and can cause headaches, gastrointestinal pain, nausea, and vomiting.

Ingestion: Do NOT induce vomiting. Get medical aid immediately.

4.4 Inhalation: Prolonged breathing of high vapor concentrations can produce headaches, dizziness, nausea, and impaired vision.

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Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

4.5 After first aid, get appropriate paramedic, or community medical support. The severity of outcome following exposure may be more related to the time between the exposure and treatment, rather than the amount of the exposure. Therefore, there is a need for rapid treatment of any exposure.

Section 5 - Fire-Fighting Measures

5.1 General Fire Hazards: Use water to cool containers exposed to fire.

5.2 Hazardous Combustion Products: Avoid fumes of burning products.

5.3 Extinguishing Media: Carbon dioxide, dry chemical, foam.

5.4 Fire Fighting Equipment/Instructions: Firefighters should wear full-face, self-contained breathing apparatus, and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

Section 6 - Accidental Release Measures

6.1 Spill /Leak Procedures: Ventilate area. Wear adequate protective equipment. Spillages of the liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition away from the spill.

6.2 Spills: Avoid direct contact with the material. Stop leak if without risk. Move containers from the spill area. Prevent entry into sewers or waterways. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite, or diatomaceous earth and place in a container for disposal.

Section 7 - Handling and Storage

7.1 Handling Precautions: Wear eye protection.

7.2 Storage Requirements: Store in original manufacture container tightly closed container in a cool, dry, and well-ventilated area.

7.3 Chemical Incompatibilities: Strong oxidizing agents and strong reducing agents.

Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Ethanol	1000ppm TWA	1000ppm TWA
Glycerol	10mg/m3 TWA	15mg/m3 TWA
CITRAL-95-C1161	No Data Available	No Data Available
Fluorinated polymer	None shown	None shown

8.2

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

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NOTE: TWA Means "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour workweek which shall not be exceeded."

8.3 Ventilation: Provide a general or local exhaust ventilation system to maintain airborne concentrations below TLV/PELs Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.4 Contaminated Equipment: Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

8.5 Personal protective equipment

Respiratory protection

Where risk assessment shows, use air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied-air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection [Gloves not required for normal use](#)

Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011** or European EN374 Standard.

Full contact: Viton

Splash contact: Viton

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection [Not required for normal use](#)

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8.6 Protective Clothing Pictograms



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Section 9 - Physical and Chemical Properties

9.1

Physical State: Liquid Gel

Appearance: Various

Odor: Characteristic order

Vapor Pressure: Not Available

Vapor Density (Air=1): Not Available

Specific Gravity (H₂O=1,): Not Available

Relative Density: Not Available

Odor Threshold: Not Available

Flammability (solid, gas): Not applicable.

Evaporation rate: Not Available

Partition coefficient octanol/water: Not Available

pH: None

Water Solubility: Not Available

Flash Point: 77°F (25°C) closed cup

Boiling Point/Range: 148.4°F (64.7°C)

Lower Explosive Limits (vol % in air): 2.5%

Upper Explosive Limits (vol % in air): 19%

Melting Point: Not Available

Viscosity: Not Available

Autoignition Temperature: Not Available

Decomposition temperature: Not Available

Section 10 - Stability and Reactivity

10.1 Stability: Stable under ordinary conditions of use and storage.

10.2 Polymerization: Hazardous polymerization has not been reported.

10.3 Chemical Incompatibilities: Strong oxidizing agents.

10.4 Hazardous Decomposition Products: Peroxides

10.5 Conditions to Avoid: Avoid heat, sparks open flames, and other ignition sources.

Section 11- Toxicological Information

Acute Toxicity Estimate for this blend (ATE)

ATE (Oral): 3450 mg/kg

ATE (Dermal): 2000> mg/kg

ATE (Inhalation vapor/mist): >20 mg/l

11.1.1 OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Oral Toxicity.

11.1.2 OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Dermal Toxicity.

11.1.3 OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Inhalation Toxicity.

11.2 Route of Entry: Eye Contact.

11.3 Aspiration Hazard: European Chemical Agency Data Base shows that no components of this product may be fatal if swallowed and enters airways.

11.4 Mutagenicity: OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause genetic defects.

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11.5 Skin Corrosion/Irritation: OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause skin irritation. Repeated exposure may cause skin dryness or cracking.

11.6 Serious Eye Damage/Irritation: OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause serious eye irritation.

11.7 Reproductive toxicity: OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause damage to fertility or the unborn child.

11.8 Skin Sensitization OECD Guideline Tests results found in the European Chemical Agency Database show no components of this product to cause skin sensitivity.

11.9 Respiratory Sensitization OECD Guideline Tests results found in the European Chemical Agency Database show no components of this product to cause respiratory sensitivity.

11.10 Specific Target Organ Toxicity (Single Exposure): European Chemical Agency Data Base shows that components no of this product may cause damage to Target Organ Toxicity due to a single exposure.

11.11 Specific Target Organ Toxicity (Repeated Exposure): European Chemical Agency Data Base shows that components no of this product may cause damage to Target Organ Toxicity due to repeat exposure.

11.12 Signs and Symptoms: Effects due to exposure may include: Headache, Dizziness, Drowsiness. Symptoms may be delayed.

11.13 Carcinogenicity: OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause cancer.

Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Ethanol	LC50 14200 mg/l	Fish	96 hours
Glycerol	LC50 54000 mg/l	Fish	96 hours
Fluorinated polymer	LC50 5.78 mg/l	Fish	96 hours
CITRAL-95-C1161	No Data Available		

Toxicity: OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to harmful and can cause long-term toxicity to aquatic life.

12.2 Mobility: Floats on water.

12.3 Persistence/degradability: Inconclusive technical data.

12.4 Bioaccumulation: Inconclusive technical data.

12.5 Other adverse effects: Inconclusive technical data.

Section 13 - Disposal Considerations

13.1 Disposal: DO NOT REUSE EMPTY CONTAINER! The container should be emptied before discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

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Section 14 - Transport Information

14.1 DOT Transport Information



ID No.: UN 1170

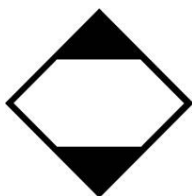
Shipping Name: Ethanol Solution

Hazard Class: 3

Packing Group: III

Label: Flammable

Placard: Flammable



Use marking when shipping as a consumer commodity ground in the US

14.2 DOT Transport Limited Quantity/Consumer Commodity

Inner packaging not over

5.0L (1.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each

Section 15 - Regulatory Information

15.1 US Regulations:

TSCA: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

Toxic Release Inventory (TRI): This product doesn't contain chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372).

CERCLA Hazardous Substances and corresponding RQs: None

SARA Community Right-to-Know Program: None

Clean Water Act: None

Clean Air Act: None

OSHA: All ingredients are listed in 29 CFR 1910.1200.

State Regulations

No Prop 65 Warning www.P65Warnings.ca.gov

Chemicals on the following State Right to Know Lists:

Massachusetts: All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

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New Jersey All components of this product are on the New Jersey inventory or are exempt from Inventory requirements.

Pennsylvania: All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements.

Section 16 - Other Information

16.1 Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

16.2 References: CHEMpendium database of the Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller online, European Chemical Agency Data Base, and MSDS and SDS of chemicals in this mixture.

16.3 SDS Preparation Date 08/11/2020

SDS Previous Issue Date: None

SDS Revision Date: 08/13/2020 Revised Sections 3,8, 12

Prepared by SJC Compliance Education, Inc.

1319 Varese Dr

Pearland, TX 77581

steve@sjcedu.org

