# *Safety Data Sheet*

**Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System**
**Date of Revision: 07/01/2020** **Revision: 01**

## Section 1 - Chemical Product and Company Identification

**Product Name: Hand D 75% IPA Gel Hand Sanitizer**
**1.2 Synonym:** Blend
**1.3 Manufacture:** 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! POISONOUS AND CAN CAUSE BLINDNESS**

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 | Category 3 |
| Eye Irritation | 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.**<br>**P210: Keep away from sparks and open flames-No smoking.**<br>**P240: Ground or bond container and receiving equipment.** |
| **RESPONSE STATEMENTS:** | **P305+P351: IF IN EYES. Rinse cautiously with water for at least 15 minutes.**<br>.<br>**P313+P332: If eye irritation persists, get medical attention.**<br>**P370: 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 |
|---|---|---|---|---|
| 67-63-0 | 200-578-6 | Isopropanol | 75 | Flam. Liq. 2 H225, Eye Irrit. 2 H319 |
| 25322-68-3 | 500-038-2 | Polyethylene glycol | 1.9 | Not Classified |
| 56-81-5 | 200-289-5 | Glycerol | 1.5 | Not Classified |
| Trade Secret | Trade Secret | Acrylate polymer | 0.1 | Not Classified |
| 7722-84-1 | 231-765-0 | Hydrogen Peroxide | 0.1 | Ox. Liq. 1 H272, Eye Irrit. 2 A H319, Skin Irrit, H315 |
| 7732-18-5 | 231-791-2 | Water | 21.4 | Not classified |

## Section 4 - First Aid Measures

**4.1 Eye:** Contact with the eyes can cause severe 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 develop. 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: Do not inhale!** Prolonged breathing vapor can cause headaches, dizziness, nausea, and impaired vision.

**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. 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.

## Section 8 - Exposure Controls / Personal Protection

**8.1**

| Chemical Names | ACGIH- TLV | OSHA - PEL |
|---|---|---|
| Isopropanol | 200ppm TWA | 400ppm TWA |
| Glycerol | 10mg/m3 TWA | 15mg/m3 TWA |
| Hydrogen Peroxide | 1.4mg/m3 | 1.4mg/m3 |
| Polyethylene glycol | None shown | None shown |
| Acrylate 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.**
**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, 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

Viton is a Registered Trademark of DuPont Company.

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

## Section 9 - Physical and Chemical Properties

**9.1**

**Physical State:** Liquid
**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:** 74°F, (23.3°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 and Perchloric acid.

**10.4 Hazardous Decomposition Products:** Peroxides

**10.5 Conditions to Avoid:** Temperatures above 62ºC, heat, sparks, open flames, other ignition sources.

## Section 11- Toxicological Information

Acute Toxicity Estimate for this blend (ATE)
ATE (Oral): 5840 mg/kg
ATE (Dermal): 13900 mg/kg
ATE (Inhalation vapor/mist): 72.6 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:** Skin and 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.

**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 |
|---|---|---|---|
| Isopropanol | LC50 9640 mg/l | Fish | 96 hours |
| Polyethylene glycol | LC50 100 mg/l | Fish | 96 hours |

**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.

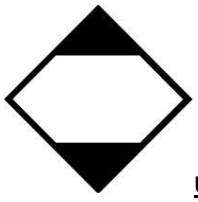
## Section 13 - Disposal Considerations

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

## Section 14 - Transport Information

**14.1 DOT Transport Information**

**ID No.:** UN 1993
**Shipping Name:** Flammable Liquids n.o.s.(Isopropanol)
**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.

**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** 06/17/2020
**SDS Previous Issue Date:** None
**SDS Revision Date:** 07/01/2020 Revised Sections 1,2, 4, 7, 8, 13

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YOUR GUIDE THROUGH THE MAZE