

# SAFETY DATA SHEET

## HAND SANITIZER, LIQUID

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830; US OSHA HCS 2015; and Canadian WHMIS 2015.

### Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

**1.1 Product Code:** PF904-2  
**Product Name:** Hand Sanitizer, Liquid

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

**1.3 Details of the Supplier of the Safety Data Sheet:**

Manufacturer: PROFORMULA  
2250 Hospital Dr, Suite 244  
Bossier City, LA 71111  
For More Information Call: (855) 797-4227

**1.4 Emergency telephone number:** CHEMTREC 1-800-424-9300  
Toll Free 24hr, 1-703-527-3887 (International)

### Section 2. Hazards Identification

**2.1 Classification of the Substance or Mixture:**  
Flammable Liquids, Category 3  
Serious Eye Damage/Eye Irritation, Category 2A

**2.2 Label Elements:**



**GHS Signal Word:** Warning

**GHS Hazard Phrases:**

H226 - Flammable liquid and vapor.

H319 - Causes serious eye irritation.

**GHS Precautionary Phrases:**

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

P233 - Keep container tightly closed.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:**

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

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 advice/attention.

**GHS Storage and Disposal Phrases:**

P501 - Dispose of contents/container to ...

UFI:

2.3 **Adverse Human Health Hazards** not otherwise classified (HNOC) or not covered by GHS -none.

**Effects and Symptoms:**

### Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
64-17-5	Ethyl alcohol 01-2119457610-43-0000	80.0 -90.0 %	200-578-6 603-002-00-5	Flam. Liq. 2: H225

### Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
- In Case of Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- In Case of Skin Contact:** Wash off with soap and plenty of water. Consult a physician.
- In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- 4.2 Important Symptoms and Effects, Both Acute and Delayed:** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
- 4.3 Indication of any immediate medical attention and special treatment needed:** No data available.

### Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
- 5.2 Flammable Properties and Hazards:** No data available.
- Flash Pt:** 20.00 C Method Used: Closed Cup
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- 5.3 Fire Fighting Instructions:** Wear self contained breathing apparatus for fire fighting if necessary. Further information.

## Section 6. Accidental Release Measures

- 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.
- 6.2 Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- 6.3 Methods and Material For Containment and Cleaning Up:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

## Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.
- 7.2 Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C. Storage class 510)
- Other Precautions:** Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## Section 8. Exposure Controls/Personal Protection

### 8.1 Exposure Parameters:

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
64-17-5	Ethyl alcohol	ACGIH TLV	TLV: 1000 ppm STEL: 1000 ppm	
		France VL	TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm)	
		OSHA PELs	PEL: 1000 ppm	
		Britain EH40	TWA: 1920 mg/m3 (1000 ppm) STEL: ()	

### 8.2 Exposure Controls:

**8.2.1 Engineering Controls (Ventilation etc.):** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 8.2.2 Personal protection equipment:

**Eye Protection:** Face shield and safety glasses.

**Protective Gloves:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Other Protective Clothing:** Impervious clothing. Flame retardant antistatic protective clothing.

**Respiratory Equipment (Specify Type):** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (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).

**8.2.3 Environmental** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Exposure Controls:**

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid  
**Appearance and Odor:** Appearance: Gelatinous. Odor: alcohol-like.  
**pH:** 5 - 8.5 at 20.0 C  
**Melting Point:** NA  
**Boiling Point:** 83.00 C  
**Flash Pt:** 20.00 C Method Used: Closed Cup  
**Evaporation Rate:** NP  
**Flammability (solid, gas):** No data available.  
**Explosive Limits:** LEL: No data. UEL: No data.  
**Vapor Pressure (vs. Air or mm Hg):** NE  
**Vapor Density (vs. Air = 1):** NA  
**Specific Gravity (Water = 1):** No data.  
**Density:** .90 G/CC at 20.0 C  
**Solubility in Water:** Soluble  
**Octanol/Water Partition Coefficient:** No data.  
**Autoignition Pt:** No data.  
**Decomposition Temperature:** No data.  
**Viscosity:** NA  
**Explosive Properties:** No data available.  
**Oxidizing Properties:** No data available.

### 9.2 Other Information

**Percent Volatile:** N.A.

## Section 10. Stability and Reactivity

**10.1 Reactivity:** No data available.  
**10.2 Stability:** Unstable [ ] Stable [ X ]  
**10.3 Conditions To Avoid - Hazardous Reactions:** No data available.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**10.4 Conditions To Avoid - Instability:** Heat, flames and sparks.  
**10.5 Incompatibility - Materials To Avoid:** Strong oxidizing agents.  
**10.6 Hazardous Decomposition or Byproducts:** No data available. In the event of fire: see section 5.

## Section 11. Toxicological Information

- 11.1 Information on Acute toxicity:**
- Toxicological Effects:** No data available. Inhalation: Dermal. Germ cell mutagenicity. Reproductive toxicity. Aspiration hazard:
- Irritation or Corrosion:** Skin corrosion/irritation. No data available. Serious eye damage/eye irritation no data available.
- Sensitization:** No data available.
- Chronic Toxicological Effects:** Specific target organ toxicity -single exposure (Globally Harmonized System) No data available.  
Specific target organ toxicity -repeated exposure: no data available.
- Carcinogenicity/Other Information:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64-17-5	Ethyl alcohol	n.a.	1	A4	n.a.

## Section 12. Ecological Information

- 12.1 Toxicity:** No data available.
- 12.2 Persistence and Degradability:** No data available.
- 12.3 Bioaccumulative Potential:** No data available.
- 12.4 Mobility in Soil:** No data available.
- 12.5 Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
- 12.6 Other adverse effects:** No data available.

## Section 13. Disposal Considerations

- 13.1 Waste Disposal Method:** Product.  
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.  
Contaminated packaging.

## Section 14. Transport Information

**GHS Classification:** Flammable Liquids, Category 3 - Warning! Flammable liquid and vapor  
 Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation

### 14.1 LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Ethanol [or] Ethyl alcohol [or] Ethanol solutions [or] Ethyl alcohol solutions.  
**DOT Hazard Class:** 3 FLAMMABLE LIQUID  
**UN/NA Number:** UN1170 **Packing Group:** II



### 14.1 LAND TRANSPORT (Canadian TDG):

**TDG Shipping Name:** Ethanol [or] Ethyl alcohol [or] Ethanol solutions [or] Ethyl alcohol solutions.  
**UN Number:** 1170 **Packing Group:** II  
**Hazard Class:** 3 - FLAMMABLE LIQUID **TDG Classification:**

### 14.1 LAND TRANSPORT (European ADR/RID):

**ADR/RID Shipping Name:**  
**UN Number:** 1170 **Packing Group:** II  
**Hazard Class:** 3 - FLAMMABLE LIQUID

### 14.3 AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** Ethanol [or] Ethyl alcohol [or] Ethanol solutions [or] Ethyl alcohol solutions.  
**UN Number:** 1170 **Packing Group:** II  
**Hazard Class:** 3 - FLAMMABLE LIQUID

## Section 15. Regulatory Information

### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64-17-5	Ethyl alcohol	No	No	No

CAS #	Hazardous Components (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
64-17-5	Ethyl alcohol	Yes: Part 5		Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64-17-5	Ethyl alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
64-17-5	Ethyl alcohol	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 5-153; Japan ISHL: No; Korea ECL: Yes - KE-13217; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: Yes - Cat.; Germany WHCS: Yes - 96: WGK 1; Switzerland Giftliste 1: Yes - G-1158; Switzerland INNS: No; REACH: Yes - 01-2119457610-43: Full, (P); Kyoto GHG: No

## Section 16. Other Information

**Revision Date:** 05/14/2020

**Additional Information About** No data available.

**This Product:**

**Company Policy or**

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