

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Code:** SBPSAN.4/1G  
**Product Name:** PalmaSan E3 Alcohol Spray Sanitizer (1 gallon)  
**Company Name:** Shepard Bros. Inc. **Phone Number:**  
503 S. Cypress St. +1 (562)697-1366  
La Habra, CA 90631  
**Web site address:** www.shepardbros.com  
**Emergency Contact:** CHEMTREC +1 (800)424-9300

**2. HAZARDS IDENTIFICATION**

**GHS Signal Word:** None  
**GHS Hazard Phrases:** No phrases apply.  
**GHS Precautionary Phrases:** No phrases apply.  
**GHS Response Phrases:** No phrases apply.  
**GHS Storage and Disposal Phrases:** No phrases apply.  
**Potential Health Effects (Acute and Chronic):** Hazards not otherwise classified (HNOC) or not covered by GHS: None.  
**Inhalation:** Inhalation of vapors in high concentration may cause respiratory irritation.  
**Skin Contact:** Prolonged contact may cause skin irritation.  
**Eye Contact:** Causes eye irritation.  
**Ingestion:** May be harmful if swallowed.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS #	Hazardous Components (Chemical Name)	Concentration
64-17-5	Ethyl alcohol	66.0 -76.0 %
67-63-0	Isopropyl alcohol	5.0 -9.0 %

**4. FIRST AID MEASURES****Emergency and First Aid Procedures:**

**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:** Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical attention if irritation persists.

**In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention if irritation persists.

**In Case of Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Note to Physician:** Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.



**5. FIRE FIGHTING MEASURES**

**Flash Pt:** 70.00 F Method Used: Estimate

**Explosive Limits:** LEL: 19.0% UEL: 3.3%

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Use water fog, dry chemical, carbon dioxide, or regular foam.

**Unsuitable Extinguishing Media:** Water may be ineffective.

**Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. Vapor may travel considerable distance to source of ignition and flash back. Cool containers with water spray until well after the fire is out.

**Flammable Properties and Hazards:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: nitrogen.

**Hazardous Combustion Products:** No data available.

**6. ACCIDENTAL RELEASE MEASURES**

**Protective Precautions, Protective Equipment and Emergency Procedures:** Use proper personal protective equipment as indicated in Section 8.

**Environmental Precautions:** Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.

**Steps To Be Taken In Case Material Is Released Or Spilled:** Ensure adequate ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent further leakage or spillage if safe to do so. Use clean non-sparking tools to collect absorbed material. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Following product recovery, flush area with water.

**7. HANDLING AND STORAGE**

**Precautions To Be Taken in Handling:** Keep away from heat, sparks and flame. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Do not eat, drink, or smoke when using.  
Avoid contact with eyes. Avoid inhalation of vapor or mist.

**Precautions To Be Taken in Storing:** Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from heat, sparks and flame. Keep away from sources of ignition - No smoking. Store between 40F - 100F Keep from freezing. Protect containers against damage. Keep container tightly closed when not in use.

**Other Precautions:** Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64-17-5	Ethyl alcohol	PEL: 1000 ppm	TLV: 1000 ppm STEL: 1000 ppm	No data.
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.



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Supersedes Revision: 11/30/2015

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
64-17-5	Ethyl alcohol	NIOSH	TWA: 1900 mg/m3 (1000 ppm)	
67-63-0	Isopropyl alcohol	NIOSH	TWA: 980 mg/m3 (400 ppm) STEL: 1225 mg/m3 (500 ppm)	
<b>Respiratory Equipment (Specify Type):</b>		Not required under normal conditions of use with adequate ventilation. If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.		
<b>Eye Protection:</b>		Safety glasses with side shields.		
<b>Protective Gloves:</b>		Not required under normal use conditions.		
<b>Other Protective Clothing:</b>		Wear appropriate protective clothing to minimize contact with skin.		
<b>Engineering Controls (Ventilation etc.):</b>		Use a local or general, mechanical exhaust ventilation system capable of maintaining emissions in the work area, below the OSHA-PEL or ACGIH-TLV. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.		
<b>Work/Hygienic/Maintenance Practices:</b>		Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.		

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [X] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Appearance: Clear. Dark yellow. Liquid. Odor: No apparent odor.
<b>pH:</b>	5.0-7.0 - (+/- 1) at 21.0 C
<b>Melting Point:</b>	NA
<b>Boiling Point:</b>	NA
<b>Flash Pt:</b>	70.00 F Method Used: Estimate
<b>Evaporation Rate:</b>	NA
<b>Flammability (solid, gas):</b>	May be ignited by friction, heat, sparks or flames.
<b>Explosive Limits:</b>	LEL: 19.0% UEL: 3.3%
<b>Vapor Pressure (vs. Air or mm Hg):</b>	20 MM_HG at 30.0 C
<b>Vapor Density (vs. Air = 1):</b>	NA
<b>Specific Gravity (Water = 1):</b>	0.814 - 0.876
<b>Density:</b>	NA
<b>Solubility in Water:</b>	Soluble
<b>Saturated Vapor Concentration:</b>	NA
<b>Octanol/Water Partition Coefficient:</b>	No data.
<b>Autoignition Pt:</b>	No data.
<b>Decomposition Temperature:</b>	No data.
<b>Viscosity:</b>	NA



## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Heat, flames and sparks. Extremes of temperature and direct sunlight.
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizing agents, Peroxides, Acid anhydrides, Halogenated compounds, Acids, ammonia.
<b>Hazardous Decomposition or Byproducts:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: nitrogen.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicological Information:</b>	Epidemiology: No information available. Teratogenicity: No information available. Reproductive Effects: No information available. Mutagenicity: No information available. Neurotoxicity: No information available.  Other Studies: CAS# 64-17-5: Acute toxicity, LD50, Oral, Rat, 7060 mg/kg Other Studies: CAS# 67-63-0: Acute toxicity, LD50, Oral, Rat, 5045 mg/kg.
<b>Irritation or Corrosion:</b>	Other Studies: CAS# 64-17-5: Standard Draize Test, Skin, Species: Rabbit, 20 mg, 24H Standard Draize Test, Eyes, Species: Rabbit, 500 mg, 24H. Other Studies: CAS# 67-63-0: Standard Draize Test, Skin, Species: Rabbit, 500 mg Standard Draize Test, Eyes, Species: Rabbit, 100 mg, 24H.
<b>Sensitization:</b>	No data available.
<b>Carcinogenicity/Other Information:</b>	IARC: Group 3: Not classifiable as to its carcinogenicity to humans.
<b>Carcinogenicity:</b>	NTP? No IARC Monographs? No OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

<b>General Ecological Information:</b>	Environmental: No information available. Physical: No information available.  Other Studies: CAS# 64-17-5: LC50, Water Flea (Daphnia magna), neonate, 5680 mg/L, 48H LC50, Fathead Minnow (Pimephales promelas), juveniles, 13480000 ug/L, 96H LC50, Brine shrimp (Artemia salina), 695350 ug/L, 24H. Other Studies: CAS# 67-63-0: LC50, Water Flea (Daphnia magna), 10000 mg/L, 24H LC50, Fathead Minnow (Pimephales promelas), 6550000 ug/L, 96H.
<b>Results of PBT and vPvB assessment:</b>	No data available.
<b>Persistence and Degradability:</b>	No data available.

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**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**13. DISPOSAL CONSIDERATIONS**
**Waste Disposal Method:** Observe all federal, state, and local environmental regulations.

**14. TRANSPORT INFORMATION**
**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

**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
67-63-0	Isopropyl alcohol	No	No	Yes

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC)	

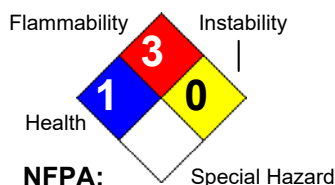
CAS #	Hazardous Components (Chemical Name)
64-17-5	Ethyl alcohol
67-63-0	Isopropyl alcohol

**Other US EPA or State Lists**

 TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8  
 TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8

**16. OTHER INFORMATION**
**Revision Date:** 11/09/2020

**Preparer Name:** Crystal Maira

**Hazard Rating System:**

**Additional Information About** 11/30/2015 - Updated first aid information.

**This Product:**
**Company Policy or** Information presented herein is believed to be accurate and reliable to the best of our



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