

# PalmaSan™ E3 Alcohol Spray Sanitizer



## Technical Dossier

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S H E P A R D   B R O S .   I N C .

## PalmaSan™ E3 Alcohol Spray Sanitizer

### DESCRIPTION AND APPLICATION

**PalmaSan™ E3 Alcohol Spray Sanitizer** is an NSF-registered E3 classification, alcohol-based hand sanitizer. This product meets all FDA (GRAS) and USDA requirements for food handling.

### FEATURES AND BENEFITS

- NSF-registered E3 classification (Nonfood Compounds Program Listed (E3) Registration # 151628)
- 71% Ethanol formula
- Formulated with dual moisturizers to keep hands soft and healthy
- Atomized spray saturates nails and cuticles, which are often missed in simple hand washing
- Kosher certified and Pareve
- Meets all FDA (GRAS) and USDA requirements for food handling

### EFFICACY – KILLS 99.999% OF 26 TESTED PATHOGENS IN 15 SECONDS

<i>Acinetobacter baumannii</i> ATCC 19606	<i>Haemophilus influenzae</i> ATCC 19418	<i>Staphylococcus aureus</i> ATCC 29213
<i>Bacteroides fragilis</i> ATCC 25285	<i>Klebsiella pneumoniae</i> ATCC 4352	<i>Staphylococcus aureus</i> MRSA ATCC 33592
<i>Candida albicans</i> ATCC 10231	<i>Klebsiella oxytoca</i> ATCC 43165	<i>Staphylococcus epidermis</i> ATCC 12228
<i>Candida glabrata</i> ATCC 26512	<i>Listeria monocytogenes</i> ATCC 7644	<i>Staphylococcus haemolyticus</i> ATCC 29970
<i>Enterobacter aerogenes</i> ATCC 13048	<i>Micrococcus luteus</i> ATCC 7468	<i>Staphylococcus hominis</i> ATCC 27844
<i>Enterococcus faecalis</i> ATCC 29212	<i>Proteus mirabilis</i> ATCC 7002	<i>Staphylococcus saprophyticus</i> ATCC 15305
<i>Enterococcus faecium</i> ATCC 19434	<i>Pseudomonas aeruginosa</i> ATCC 15442	<i>Streptococcus pneumoniae</i> ATCC 6302
<i>Escherichia coli</i> ATCC 25922	<i>Pseudomonas aeruginosa</i> ATCC 27853	<i>Streptococcus pyogenes</i> ATCC 19615
<i>Escherichia coli</i> O157:H7 ATCC 43895	<i>Serratia marcescens</i> ATCC 14756	

### PROPERTIES AND SAFE HANDLING

A Safety Data Sheet containing detailed information regarding the properties and safe handling of **PalmaSan™ E3 Alcohol Spray Sanitizer** is available upon request. Dispensers for this product are available from Shepard Bros.

(Rev. 7/2015)

The technical information and use suggestions herein are presented in good faith and are believed to be reliable. They do not constitute a part of our terms and conditions of sale unless specifically incorporated in our Order Acknowledgement. Nothing herein shall be deemed to constitute a warranty, expressed or implied, that said information or data are correct, or that the product described is merchantable or fit for a particular purpose, or that said information, data or product can be used without infringing patents of a third party. The purchaser must determine individually, by preliminary tests or otherwise, the suitability of this product for the intended purpose.

Shepard Bros., Inc. ▪ 503 S. Cypress St. La Habra, CA 90631 ▪ (800) 645-3594 ▪ [www.shepardbros.com](http://www.shepardbros.com)



# SAFETY DATA SHEET

## PalmaSan E3 Alcohol Spray Sanitizer (50 gallon drum)

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** SBPSAN.50PD  
**Product Name:** PalmaSan E3 Alcohol Spray Sanitizer (50 gallon drum)  
**Company Name:** Shepard Bros., Inc.  
503 S. Cypress St.  
La Habra, CA 90631  
**Phone Number:** +1 (562)697-1366  
**Web site address:** www.shepardbros.com  
**Emergency Contact:** CHEMTREC +1 (800)424-9300

### 2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 3

Serious Eye Damage/Eye Irritation, Category 2A



**GHS Signal Word:**

**Warning**

**GHS Hazard Phrases:**

H226 - Flammable liquid and vapor.  
H319 - Causes serious eye irritation.

**GHS Precaution Phrases:**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting/. equipment.  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
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.  
P370+378 - In case of fire, use CO2, dry chemical or foam to extinguish.

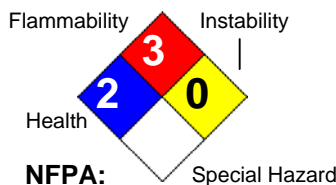
**GHS Storage and Disposal Phrases:**

P403+235 - Store in cool/well-ventilated place. P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.

**Additional Hazards Information**

This material is an over-the-counter consumer product that is safe for consumers with intended and reasonably foreseeable use. Please follow label instructions. NOTE: The GHS Signal Word and warnings are for exposure to large quantities of the product. Normal usage should not create a hazardous condition.

**Hazard Rating System:**





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### 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	5.00 - 9.00 %

### 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:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. 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:** 70.0 F (21.1 C) 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.



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### 6. ACCIDENTAL RELEASE MEASURES

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Environmental Precautions:</b>	Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	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

<b>Precautions To Be Taken in Handling:</b>	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.
<b>Precautions To Be Taken in Storing:</b>	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.
<b>Other Precautions:</b>	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.
<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>	Wear appropriate gloves to prevent skin exposure.			
<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.			



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid  
**Appearance and Odor:** Appearance: Clear. Dark yellow. Liquid.  
Odor: No apparent odor.  
**Melting Point:** NA  
**Boiling Point:** NA  
**Autoignition Pt:** No data.  
**Flash Pt:** 70.0 F (21.1 C) Method Used: Estimate  
**Explosive Limits:** LEL: 19.0% UEL: 3.3%  
**Specific Gravity (Water = 1):** 0.814 - 0.876  
**Density:** NA  
**Vapor Pressure (vs. Air or mm Hg):** 20 MM\_HG at 30.0 C (86.0 F)  
**Vapor Density (vs. Air = 1):** NA  
**Evaporation Rate:** NA  
**Solubility in Water:** Soluble  
**Saturated Vapor Concentration:** NA  
**Viscosity:** NA  
**pH:** 5.0-7.0 - (+/- 1)  
**Percent Volatile:** No data.

### 10. STABILITY AND REACTIVITY

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



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### 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, Intoxication LC50, Fathead Minnow (Pimephales promelas), 6550000 ug/L, 96H, Mortality.
<b>Results of PBT and vPvB assessment:</b>	No data available.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.

### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method:</b>	Observe all federal, state, and local environmental regulations.
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### 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

#### CAS # Hazardous Components (Chemical Name)

#### Other US EPA or State Lists

64-17-5 Ethyl alcohol

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

67-63-0 Isopropyl alcohol

TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8

### 16. OTHER INFORMATION

**Revision Date:** 06/23/2015

**Preparer Name:** Crystal Maira

**Additional Information:** No data available.

#### Company Policy or

#### Disclaimer:

Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.



# PalmaSan™ Alcohol Spray Sanitizer

## Sanitizing Hand Soap

### GHS Signal Word: Warning

**GHS Hazard Phrases:** Flammable liquid and vapor. Causes serious eye irritation.

**GHS Precaution Phrases:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/. equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:** IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. In case of fire, use CO2, dry chemical or foam to extinguish.

**Supplemental Information:** Read material safety data sheets for more detailed information.

Contact your Shepard Bros., Inc. representative for more specific use instructions and recommended dispensing equipment.



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