

Issue Date 18-Dec-2012

Revision Date 21-Dec-2012

Version 1

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier**

**Product Name** Hand Sanitizer

**Other Means of Identification**

**SDS #** PCP-028

**UN/ID No**

UN1170

**Product Code**

06096/Bonus Hand Sanitizer/10048155906096  
08465/2-PK Hand Sanitizer/10048155908465  
08588/Hand Sanitizer/10048155908588  
21273/Hand Sanitizer Mini Pack 4 PK/10048155921273  
21761/Hand Sanitizer with Clip/10048155921761  
21815/Hand Sanitizer W/ Aloe/10048155921815  
21990/Hand Sanitizer Display Reg & Aloe/10048155921990  
20580/PC Hand Sanitizer Lotion 8oz/10048155920580  
-2/Hand Sanitizer with Clip 1.8 oz/1004815592392-2  
/Hand Sanitizer with Clip/48155-92176  
/Hand Sanitizer with Clip/48155-92392

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use** Hand Sanitizer.

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

**Supplier Address**

Personal Care Products LLC  
3001 West Big Beaver Rd. Ste. 520  
Troy, MI 48084  
248.971.7600  
<http://www.personal-care.com>

**Emergency Telephone Number**

**Company Phone Number** 248-971-7600  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

**2. HAZARDS IDENTIFICATION**

**Classification**

Flammable liquids	Category 3
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**Signal Word**

Warning

**Hazard Statements**

Flammable liquid and vapor

**Appearance** Clear liquid**Physical State** Liquid**Odor** Alcohol**Precautionary Statements - Prevention**

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

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof equipment

Use only non-sparking tools

Take precautionary measures against static discharge

**Precautionary Statements - Response**

In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Toxic to aquatic life with long lasting effects

Toxic to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethyl alcohol	64-17-5	65-70
Propylene Glycol	57-55-6	0-1
Glycerol	56-81-5	0-1
Triethanolamine Phosphate	10017-56-8	0-1
Aloe barbadensis leaf extract	94349-62-9	0-1

Formula contains 0.2% of a Fragrance not listed above.

### 4. FIRST AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Non-toxic in contact with skin.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Immediate medical attention is required.

**Most Important Symptoms and Effects, both Acute and Delayed**

<b>Symptoms</b>	May cause eye irritation. May cause respiratory irritation. May cause nose and throat irritation, with possible central nervous system effects.
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**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Foam, Dry Chemical, Carbon Dioxide. Water spray (fog).

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition.

**Hazardous Combustion Products** Releases CO and CO<sub>2</sub> on thermal decomposition.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Remove all sources of ignition. Wear appropriate protective clothing and equipment to prevent contact.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Remove all sources of ignition. Collect using an inert absorbent material and place in appropriate containers for disposal.

**Methods for Cleaning Up** Keep in suitable, closed containers for disposal. Dispose of contents/container to an approved waste disposal plant.

**7. HANDLING AND STORAGE****Precautions for Safe Handling**

**Advice on Safe Handling** Avoid eye contact. Avoid breathing vapors or mists. Wear appropriate personal protective equipment. Use non-sparking hand tools and explosion-proof electrical equipment. Take precautionary measures against static discharges. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. All equipment used when handling the product must be grounded.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Protect from sunlight. Store in a well-ventilated place.

**Incompatible Materials** Acids. platinum and silver. Hydrogen peroxide. Oxidizers. Chlorine bleach.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	-

**Appropriate Engineering Controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection** Avoid contact with eyes.

**Skin and Body Protection** No special technical protective measures are necessary.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Alcohol
<b>Appearance</b>	Clear liquid	<b>Odor Threshold</b>	100 ppm
<b>Color</b>	Clear		

<u>Property</u>	<u>The following physical data are approximate only and do not represent specification values. They should be used only in the context of this safety data sheet.</u>	<u>Remarks • Method</u>
pH	Not applicable	
Melting Point/Freezing Point	-114.1 °C / -137.38 °F	
Boiling Point/Boiling Range	78.5 °C / 173.3 °F	
Flash Point	23 °C / 73 °F	
Evaporation Rate	< 1	(Water = 1)
Flammability (Solid, Gas)	Not applicable	
Upper Flammability Limits	18%	
Lower Flammability Limit	3.5%	
Vapor Pressure	40 mm/Hg	
Vapor Density	1.6	(Air=1)
Relative Density (Specific Gravity)	~0.889	(1=Water)
Water Solubility	Miscible in water	
Solubility in Other Solvents	Complete	
Partition Coefficient	2 – 7 as log Pow	
Autoignition Temperature	250 °C / 480 °F	

<b>Decomposition Temperature</b>	Will evaporate or boil and possibly ignite before decomposition occurs
<b>Kinematic Viscosity</b>	Not applicable
<b>Dynamic Viscosity</b>	Not applicable
<b>Explosive Properties</b>	Not an explosive
<b>Oxidizing Properties</b>	Not an oxidizer

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children. Incompatible Materials. Excessive heat and fire.

### Incompatible Materials

Acids. platinum and silver. Hydrogen peroxide. Oxidizers. Chlorine bleach.

### Hazardous Decomposition Products

If heated to decomposition, CO and CO<sub>2</sub> may be produced.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	No known hazard in contact with skin.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Glycerol 56-81-5	= 12600 mg/kg ( Rat )	> 21900 mg/kg ( Rat )	-
Propylene Glycol 57-55-6	= 20000 mg/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
Carbomer 9003-01-4	= 2500 mg/kg ( Rat )	-	-

**Information on Physical, Chemical and Toxicological Effects****Symptoms**

May cause eye irritation. Prolonged exposure in poorly ventilated area may cause respiratory irritation. May cause nose and throat irritation, with possible central nervous system effects.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure****Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol 64-17-5	A3	Group 1	Known	X

*IARC (International Agency for Research on Cancer)*

*Group 3 IARC components are "not classifiable as human carcinogens"*

**Numerical Measures of Toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethyl alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
Glycerol 56-81-5		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static		500: 24 h Daphnia magna mg/L EC50
Propylene Glycol 57-55-6	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50		10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static
Carbomer 9003-01-4		580: 96 h Lepomis macrochirus mg/L LC50		168: 96 h water flea mg/L EC50

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Chemical Name	Partition Coefficient
Ethyl alcohol 64-17-5	-0.32
Glycerol 56-81-5	-1.76

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	California Hazardous Waste Status
Ethyl alcohol 64-17-5	Toxic Ignitable

### 14. TRANSPORT INFORMATION

**Note** Based on package size, product may be eligible for limited quantity exception.

#### DOT

<b>UN/ID No</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

#### IATA

<b>UN/ID No</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

#### IMDG

<b>UN/ID No</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

### 15. REGULATORY INFORMATION

#### International Inventories

Not Determined

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

#### US Federal Regulations

#### SARA 313

Not determined

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Ethyl alcohol - 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethyl alcohol 64-17-5	X	X	X
Glycerol 56-81-5	X	X	X
Propylene Glycol 57-55-6	X		X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	3	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	4	0	Not determined

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 Revision Note New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**