

## Safety Data Sheet (SDS)

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev.04

### iBrite Hand Sanitizer

#### Section 1. Product and Company Identification

**Product Identifier:** iBrite Hand Sanitizer

**Recommended use:** Hand Sanitizer

**Manufacturer/Supplier:** Pac-Dent Inc  
670 Endeavor Circle  
Brea, CA 92821  
Phone: 909-839-0888

**Emergency telephone number:** (Chemical Spills, Leaks, Fire, Exposure or Accident only):  
CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

#### Section 2. Hazard(s) Identification

##### Classification

This product contains a chemical or chemicals considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

##### GHS Hazard Classification of the Substance or Mixture:

Flammable Liquids Category 3

##### Label Elements:

Danger!



##### 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 electrical/ ventilating/ lighting/ equipment Use only non-sparking tools  
Take precautionary measures against static discharge  
Wear protective gloves/protective clothing/eye protection/face protection

##### Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

##### Eyes

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

##### Fire

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

##### Inhalation

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

##### Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

##### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Unknown Toxicity**

0.201% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

Prolonged or repeated contact may dry skin and cause irritation May cause slight eye irritation

**Interactions with Other Chemicals**

No information available

**Section 3. Composition/Information on Ingredients**

Chemical Name	CAS-No	Weight %	Trade Secret
Ethyl Alcohol	64-17-5	50-100	*
Carbomer	9003-01-4	0-5	*
Benzophenone-4	4065-45-6	0-5	*
Glycerin	56-81-5	0-5	*
Aloe Barbadosensis Leaf Gel	85507-69-3	0-5	*
Water	7732-18-5	10-50	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret

**Section 4. First-Aid Measures****Inhalation:** Immediately remove victim to fresh air. Get immediate medical attention.**Skin Contact:** Get medical attention if irritation or symptoms of exposure develop.**Eye Contact:** Rinse thoroughly with water for at least 15 minutes. Get medical attention if irritation occurs and persists.**Ingestion:** Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Keep the victim calm and warm. Get immediate medical attention.**Most important symptoms and effects, acute and delayed:** Burning sensation. Itching. Rashes. Hives. Coughing and/ or wheezing. May cause breathing difficulties if inhaled.**Indication of immediate medical attention and special treatment, if needed:** Treat symptomatically.**Section 5. Fire-Fighting Measures****Suitable Extinguishing Media**Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.**Unsuitable Extinguishing Media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

**Uniform Fire Code****Flammable Liquid: I-C****Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

Sensitivity to Mechanical Impact

No

Sensitivity to Static Discharge

Yes

**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.

### Section 6. Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with eyes and clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. See section 8 for more information. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other Information** Refer to protective measures listed in Sections 7 and 8. Ventilate the area.

#### Environmental precautions

**Environmental Precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

#### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways.

**Methods for Cleaning Up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

### Section 7. Handling and Storage

#### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact eyes and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

#### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** None known based on information supplied.

### Section 8. Exposure Controls / Personal Protection

#### Control parameters

**Exposure Guidelines** There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

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 10% LEL TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate 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	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

#### Appropriate engineering controls

**Engineering Measures**

Showers  
 Eyewash stations  
 Ventilation systems

**Individual protection measures, such as personal protective equipment** Eye/Face Protection Tight sealing safety goggles.

**Skin and Body Protection**

Wear protective gloves/clothing. Long sleeved clothing. Impervious gloves.

**Respiratory Protection**

No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Avoid contact with eyes and clothing

**Section 9. Physical and Chemical Properties**

<b>Appearance:</b>	Clear to slightly hazy, Colorless, Viscous liquid	<b>Odor:</b>	Alcohol
<b>Odor Threshold:</b>	Not available	<b>pH:</b>	7.0
<b>Melting/Freezing Point:</b>	Not available	<b>Boiling Point/Range:</b>	Not available
<b>Flash Point:</b>	23°C (73°F)	<b>Evaporation Rate:</b>	Not available
<b>Flammability: (Solid, Gas)</b>	Not applicable	<b>Flammability Limits:</b>	LEL: Not applicable UEL: Not applicable
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	Not available	<b>Solubilities:</b>	Miscible with water
<b>Partition Coefficient: (N-Octanol/Water)</b>	Not available	<b>Autoignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available	<b>Viscosity:</b>	Not available

**Section 10. Stability and Reactivity****Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

When used in accordance with the directions.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides.

**Section 11. Toxicological Information**

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

**Information on likely routes of exposure**

**Product Information**

**Inhalation** May cause irritation of respiratory tract.

**Eye Contact** Irritating to eyes. May cause redness, itching, and pain.

**Skin Contact** Prolonged contact may cause redness and irritation.

**Ingestion** Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Component Information** No information available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 64-17-5	-	-	= 124.7 mg/L ( Rat ) 4 h
Glycerin 56-81-5	-	> 10 g/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms** Redness of the skin. May cause redness and tearing of the eyes. Itching. Rashes. Hives.

Coughing and/ or wheezing. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** N/A

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** No information available.

**Target Organ Effects** Eyes. Skin.

**Aspiration Hazard** No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (inhalation-dust/mist)** 208.10 mg/l

### Section 12: Ecological Information

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

**Ecotoxicity** No information available.

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Other Adverse Effects** No information available.

**Section 13. Disposal Considerations**

Waste treatment methods

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Dispose of in accordance with local regulations.

**US EPA Waste Number** D001

**California Hazardous Waste Codes** 331

This product contains one or more substances that are listed with the State of California as a hazardous waste.

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

**Section 14. Transport Information**

**DOT**  
**Proper Shipping Name** CONSUMER COMMODITY  
**Hazard Class** ORM-D  
**Description** CONSUMER COMMODITY, ORM-D  
**Emergency Response Guide Number** 127

**TDG**  
**UN-No.** UN1170  
**Proper Shipping Name** ETHANOL  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1170, ETHANOL, 3, III

**MEX**  
**UN-No.** UN1170  
**Proper Shipping Name** ETHANOL  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1170, ETHANOL, 3, III

**ICAO**  
**UN-No.** UN1170  
**Proper Shipping Name** ETHANOL  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1170, ETHANOL, 3, III

**IATA**  
**UN-No.** UN1170  
**Proper Shipping Name** ETHANOL  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1170, ETHANOL, 3, III

**IMDG/IMO**  
**UN-No.** UN1170  
**Proper Shipping Name** ETHANOL  
**Hazard Class** 3  
**Packing Group** III  
**EmS No.** F-E, S-D  
**Description** UN1170, ETHANOL, 3, III, (23°C C.C.)

**RID**  
**UN-No.** UN1170  
**Proper Shipping Name** ETHANOL SOLUTION

<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Description</b>	UN1170, ETHANOL SOLUTION, 3, III
<b>ADR</b>	
<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL SOLUTION
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Tunnel restriction code</b>	(D/E)
<b>Description</b>	UN1170, ETHANOL SOLUTION, 3, III
<b>ADN</b>	
<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL SOLUTION
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Special Provisions</b>	144, 601
<b>Description</b>	UN1170, ETHANOL SOLUTION, 3, III
<b>Limited Quantity</b>	5 L
<b>Ventilation</b>	VE01

**Section 15. Regulatory Information**

**International Inventories**

TSCA Exempt  
 DSL All components are listed either on the DSL or NDSL.  
 TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard No  
 Chronic Health Hazard No  
 Fire Hazard Yes  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard No

**Clean Water Act (CWA)**

This product does not contain any substances regulated as pollutants pursuant to the CWA (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

**U.S. State Regulations**

**California Proposition 65 - NONE**

This product does not contain any Proposition 65 chemicals.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl Alcohol 64-17-5		X			
Glycerin 56-81-5	X	X	X	X	

**International Regulations****Mexico****National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Ethyl Alcohol 64-17-5		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>
Glycerin 56-81-5		10mg/m <sup>3</sup> (mist) TWA

**Canada****WHMIS Hazard Class****B2****Section 16. Other Information****Abbreviations and Acronyms:** None.**Other information not contained elsewhere:** None.**General Disclaimer**

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**Approved and Updated by Pac-Dent Inc. Disclaimer:**

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**End of Safety Data Sheet**