

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/17/2020

Reviewed on 04/17/2020

1 Identification

Product Identifier 950-7005 and 950-7006

Trade Name: Hand Sanitizer
Antiseptic 80% Alcohol Solution

Manufacturer/Supplier: Darby Dental Supply, LLC
300 Jericho Quadrangle
Jericho, NY 11753
Phone: (800) 645-2310
Fax: (800) 957-7362
www.darbydental.com

Emergency telephone: (800) 645-2310

Recommend use of the chemical and restrictions on use:

Recommended use: Hand Sanitizer
Satisfies FDA/WHO/CDC guidelines for Hand Sanitizer

Restrictions on use: This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

2 Hazard(s) Identification

Classification of the substance or mixture:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Flammable Liquids

Category 3



Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.
Eye Irrit. 2B H320 Causes eye irritation.

Precautionary statements:

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

P233 Keep container tightly closed.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P264 Wash thoroughly after handling.

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

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

0 % of the mixture consists of component(s) of unknown toxicity.

Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

Chemical characterization: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Chemical Name	CAS No	Weight - %
Ethyl Alcohol	64-17-5	80
Glycerol	56-81-5	1.45
Hydrogen Peroxide (v/v)	7722-84-1	0.125

4 First Aid Measures

First aid measures

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation

Remove to fresh air.

Ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects	No information available.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically
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5 Fire-Fighting Measures**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO₂). 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. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Uniform Fire Code	Flammable Liquid: I-C
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Explosion Data

Sensitivity to Mechanical Impact	None
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.

6 Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. 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.
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Other Information	Ventilate the area.
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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.
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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.

7 Handling and Storage**Precautions for safe handling**

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. 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.

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.

64-17-5 Ethyl Alcohol		
	PEL	Long-term value: 1900 mg/m ³ , 1000ppm
	REL	Long-term value: 1900 mg/m ³ , 1000ppm
	TLV	Short-term value: 1880 mg/m ³ , 1000ppm
56-81-5 Glycerol		
	PEL	Long-term value: 15* 5** mg/m ³ mist, *total dust ** respirable fraction
	TLV	TLV withdrawn – insufficient data human occup.exp.

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 and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9 Physical and Chemical Properties**Information on basic physical and chemical properties****Appearance**

Form: Liquid
Color: Clear
Odor: Slight alcohol
Odor threshold: Not determined.

Property	Values	Remarks
pH-value	7.0	None Known
Melting point/Melting range	Not determined	None Known
Boiling point/Boiling range	≥78 °C (≥172.4 °F)	None Known
Flash point	25 °C (77 °F)	None Known
Flammability (solid, gaseous)	Not applicable	None Known
Ignition temperature	≥425 °C (≥797 °F)	None Known
Decomposition temperature	Not determined	None Known
Auto igniting	Product is not self-igniting	None Known
Explosion limits:		
Lower: ≥3.5 Vol %		
Upper: ≤15 Vol %		
Vapor pressure @ 68 °F	≤59 hPa (≤44.3 mm Hg)	None Known
Density @ 68 °F	0.8363 g/cm ³ (6.9789 lbs/gal)	None Known
Relative density	Not determined	None Known
Vapor density	Not determined	None Known
Evaporation rate	Not determined	None Known
Solubility in / Miscibility with		
Water: Fully miscible.		
Partition coefficient (n-octanol/water)	Not determined	None Known
Dynamic	Not determined	None Known
Kinematic	Not determined	None Known

Solvent content

Organic solvents: 81.5 %

VOC content: 80.00 %

Other information: No further relevant information available.

10 Stability and Reactivity

Reactivity	No further relevant information available
Chemical stability	Product is stable under normal conditions
Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	Heat, flame and ignition sources.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	No dangerous decomposition products known.

11 Toxicological Information

Information on toxicological effects:

Acute toxicity

LD/LC50 values that are relevant for classification:		
64-17-5 Ethanol Denatured 40-B (190 proof)		
Oral	LD50	7,060 mg/kg (Rat) Remarks: Lungs, Thorax, or Respiration: Other changes. Carcinogenicity - Mouse - Oral Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Blood: Lymphomas including Hodgkin's disease. Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Heart - Irregularities - Based on Human Evidence Central nervous system - Breathing difficulties - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence
Inhalative	LC50/4h LC50/96 hours	20,000 mg/l (Rat) 12,900-15,300 mg/l (Trout)
56-81-5 Glycerol		
Oral	LD50	12,600 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (Rabbit)
Inhalative	LC50/96 hours	>50,000 mg/l (Trout)

Primary irritant effect:

On the skin	No irritating effect.
On the eye	Irritating effect.

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

Toxic to aquatic organisms.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available. Irritant

13 Disposal Considerations**Waste treatment methods****Disposal methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

US EPA Waste Number

D001

14 Transport Information**DOT**

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

TDG

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

MEX

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

IATA

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

IMDG/IMO

UN-No.	UN1170
Proper Shipping Name	ETHANOL SOLUTION
Hazard Class	3
EmS – NO.	F*D, S*D
Description	UN1170, ETHANOL SOLUTION, 3, III

RID

UN-No.	UN1170
Proper Shipping Name	ETHANOL SOLUTION
Hazard Class	3
Packing Group	III
Classification code	F1
Description	UN1170, ETHANOL SOLUTION, 3, III, ENVIRONMENTALLY HAZARDOUS

ADR

UN-No.	UN1170
Proper Shipping Name	ETHANOL SOLUTION
Hazard Class	3
Packing Group	III
Classification code	F1
Tunnel restriction code	D/E
Description	UN1170, ETHANOL SOLUTION, 3, III, ENVIRONMENTALLY HAZARDOUS

ADN

UN-No.	UN1170
Proper Shipping Name	ETHANOL SOLUTION
Hazard Class	3
Packing Group	III
Classification code	F1
Special Provisions	144, 601
Description	UN1170, ETHANOL SOLUTION, 3, III, ENVIRONMENTALLY HAZARDOUS
Hazardous labels	3
Limited Quantity	5I
Ventilation	VE01

15 Regulatory Information

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.
IECSC	-

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US 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

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (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) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US 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
64-17-5 Ethyl Alcohol		X	X		
56-81-5 Glycerol	X	X	X	X	
7722-84-1 Hydrogen Peroxide	X	X	X		

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of last revision/ revision number

04/17/2020 / -

Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Ox. Liq. 1: Oxidizing liquids – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3