



Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

Document Number: SDS 142.002
Date Revised: 8/19/2020

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name (as labeled): San-Ez Gel, Hand Sanitizer, Ethyl Alcohol 70%
Product Form: Mixture
Part/Item Number: 033-0200, 033-0300, 033-0400, 033-0500, 033-0600, 033-0700

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Recommended Use: Hand Sanitizer
Restrictions on Use: This product is for use as a hand sanitizer only.

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier Name: Dental Technologies, Inc.
Manufacturer/Supplier Address: 6901 N. Hamlin Avenue
 Lincolnwood, IL 60712
Manufacturer/Supplier Telephone Number: 800-835-0885 or 847-677-5500 (Product Information)
Email address: info@dentaltech.com

1.4 Emergency Telephone Number:

Emergency Contact Telephone Number: Chemtrec
 800-424-9300 (USA)
 001-703-527-3887 (Outside USA)

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

GHS Classification:		
Health	Environmental	Physical
Eye Irritant 2B (H319)	Not Hazardous	Flammable Liquid 3 (H226)

2.2 Label Elements:

Hazard pictograms (GHS-US)



Signal Word: Warning

Hazard Phrases	Precautionary Phrases
H319 - Causes serious eye irritation H226 - Flammable liquid and vapor	P210 Keep away from heat, sparks, open flames, and hot surfaces. - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical / ventilating / light / equipment P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash exposed skin thoroughly after handling. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. 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 attention P370+P378 In case of fire: Use carbon dioxide, alcohol resistant foam, dry chemical and water spray to extinguish. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None known.

2.4 Unknown acute toxicity (GHS-US): No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Not Applicable

3.2 Mixture:

Hazardous Components	C.A.S. #	Classification	WT %
Ethyl Alcohol	64-17-5	Flammable liquids, Category 2, H225	50-75%
Isopropyl Alcohol	67-63-0	Flammable liquids, Category 2, H225 Eye irritation, Category 2A, H319 Specific target organ toxicity – single exposure, Category 3, H336	1-10%

The exact concentration is being withheld as a trade secret.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye	Immediately flush victim's eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops, get medical attention. Launder clothing before re-use.
Inhalation	Remove to fresh air. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Ingestion	Do not induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Not expected to present a significant hazard under anticipated conditions of normal use. May cause eye and skin irritation. May be harmful if swallowed.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

Immediate medical attention should not be required except in cases of ingestion.

Note to Physicians (Treatment, Testing, and Monitoring): Treat symptomatically. Give nothing by mouth.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

Use Chemical Foam, CO₂, Dry Chemical Powder, or Water Spray. NOTE: Water may be ineffective in extinguishing the fire.

5.2 Special Hazards Arising from the Substance or Mixture:





Not determined.

5.3 Advice for Fire-Fighters:

Fire Fighting Procedures: General: Evacuate all personnel; use protective equipment for fire-fighting.

Precautions for Fire Fighters: Firefighters should wear full emergency equipment and approved positive pressure self-containing breathing apparatus.

Recommended Protective Equipment for Fire Fighters:

EYES/FACE	HANDS	RESPIRATORY	THERMAL
			

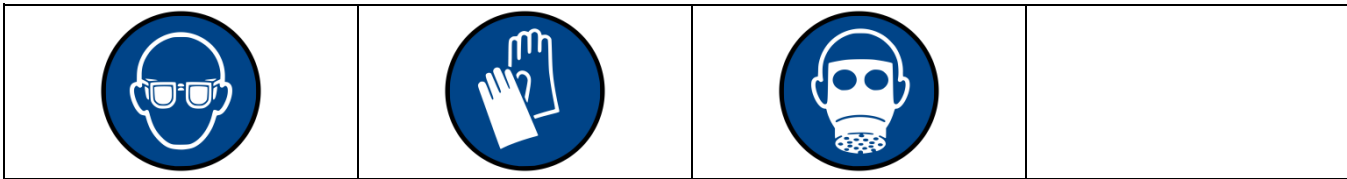
6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc. Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing as described in Section 8.

Recommended Personal Protective Equipment for Containment and Clean-up:

EYES/FACE	HANDS	RESPIRATORY	SKIN
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6.2 Environmental Precautions:

Prevent entry into sewers and waterways. Report releases as required by local, state, and national authorities. Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing as described in Section 8.

6.3 Methods and Material for Containment and Cleaning up:

Clean up with absorbent material and remove residue with alcohol damp wipe. Rinse spill area with water. Use non-sparking tools and equipment.

6.4 Reference to Other Sections:

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8. Wash thoroughly after handling. Keep away from heat, sparks, flames, and other sources of ignition.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Store in a cool, dry, well-ventilated area away from heat, direct sunlight and all sources of ignition. Store away from incompatible materials. Keep container closed to prevent contamination.

7.3 Specific End Use (s): No specific end use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Exposure Guidelines below:

CAS	Component	Source	Value
64-17-5	Ethyl Alcohol	OSHA	TWA: 1,000 ppm TWA: 1,900 mg/m ³
		ACGIH	STEL: 1,000 ppm
		NIOSH	TWA: 1,000 ppm TWA: 1,900 mg/m ³
67-63-0	Isopropyl Alcohol	OSHA	(Vacated) TWA: 400 ppm (Vacated) TWA: 980 mg/m ³ (Vacated) STEL: 500 ppm (Vacated) STEL: 1225 mg/m ³ TWA: 400 ppm TWA: 980 mg/m ³
		ACGIH	TWA: 200 ppm STEL: 400 ppm
		NIOSH	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³
		Mexico OEL	TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

8.2 Exposure Controls:

Appropriate Engineering Controls: None required under normal product handling conditions.

Individual Protection Measures (PPE)




Specific Eye/face Protection: Chemical safety goggles should be worn if needed to avoid eye contact.

Specific Skin Protection: Wear impervious gloves such as natural rubber or neoprene if needed to avoid skin contact. Consult glove supplier for thickness and breakthrough times.

Specific Respiratory Protection: None should be needed under normal use. If exposure limits are exceeded an approved respirator or supplied air respirator appropriate should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Specific Thermal Hazards: None required.

Recommended Personal Protective Equipment

EYES/FACE	HANDS	RESPIRATORY	SKIN
			

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance:	Homogeneous Gel	Explosive limits:	Not Available
Odor:	Characteristic of alcohol and fragrance	Vapor pressure (mmHg):	Not Available
Odor threshold:	Not Available	Vapor density:	Not Available
pH:	Not Available	Relative density:	0.86g/cc @25°C/77°F
Melting/freezing point:	Not Available	Solubility(ies):	Soluble in water
Initial boiling point and boiling range:	Not Available	Partition coefficient: n-octanol/water:	Not Available
Flash point:	75°F (24°C)	Auto-ignition temperature:	Not Available
Evaporation rate:	Not Available	Decomposition temperature:	Not Available
Flammability (solid, gas):	Not Available	Viscosity:	20,000 – 80,000 cPs

9.2 Other Information: None available.

10. STABILITY AND REACTIVITY

10.1 Reactivity: Stable at ambient temperature and under normal conditions of use.

10.2 Chemical Stability: Stable at standard temperature and pressure.

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: Keep away from heat, sparks, incompatible materials, flames and other sources of ignition.

10.5 Incompatible materials: Aluminum, acids, oxidizing agents, halogenated compounds, acid anhydrides.

10.6 Hazardous Decomposition Products: Carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Ethyl Alcohol

LD50 – Oral – Rat	7060 mg/kg
LC50 – Inhalation – Rat	124.7mg/L (4 hr)
Irritation	Not classified based on available information
Carcinogenicity	Not listed as a carcinogen

Isopropyl Alcohol

LD50 – Oral – Rat	5840 mg/kg
LD50 – Dermal – Rat	13900 mg/kg
LD50 – Dermal – Rabbit	12870 mg/kg
LC50 – Inhalation – Rat	72.6mg/L (4 hr)
Irritation	Severe eye irritant
Carcinogenicity	Not listed as a carcinogen
STOT – single exposure	Central nervous system, may cause drowsiness or dizziness
Symptoms/effects acute and delayed	Inhalation of high vapor concentrations may cause symptoms such as headache, dizziness, tiredness, nausea and vomiting

12. ECOLOGICAL INFORMATION

12.1 Toxicity: Ethyl Alcohol

Freshwater Algae: EC50: 275 mg/L, 72h (Chlorella vulgaris)
Freshwater Fish: LC50: = 1,000 mg/L, 96h (Pimephales promelas)
Microtox = 31.1 mg/L EC50 Photobacterium phosphoreum 15 min
Water Flea: 9.6 mg/L EC50 = 9 d

Isopropyl Alcohol

Freshwater Algae: EC50: > 1000 mg/L, 72h (Desmodesmus subspicatus) EC50: > 1000 mg/L, 96h (Desmodesmus subspicatus)
Freshwater Fish: LC50: > 1400000 µg/L, 96h (Lepomis macrochirus) LC50: = 9640 mg/L, 96h flow-through (Pimephales promelas) LC50: = 11130 mg/L, 96h static (Pimephales promelas)
Microtox = 35390 mg/L EC50 Photobacterium phosphoreum 5 min
Water Flea: 13299 mg/L EC50 = 48 h 9714 mg/L EC50 = 24 h

12.2 Persistence and Degradability: No data available

12.3 Bio-accumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB Assessment: No data available

12.6 Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Regulations: Dispose in accordance with all national and local regulations.

Households: Product used in household may be disposed of in refuse or sewer.

Properties (Physical/Chemical) Affecting Disposal: None currently known.

Waste Treatment Recommendations: Dispose in accordance with national and local regulations.

US EPA: This material is not considered a hazardous waste under the United States Resource Conservation and Recovery Act when disposed.

14. TRANSPORT INFORMATION

NOTE: Per 49 CFR § 173.150 (g) Limited quantities of retail products containing ethyl alcohol, medicines sold as retail products containing ethyl alcohol classed as a flammable liquid containing not more than 70% ethyl alcohol by volume are excepted from the Hazardous Material Regulations (HMR) provided that the volume contained in each inner packaging does not exceed 0.47 liters (0.125 gallons) in capacity. The net liquid contents of all inner packagings in a single outer packaging may not exceed 5.6 liters (1.5 gallons). The gross weight of any single outer package shipped may not exceed 29.9 kilograms (66 pounds); Inner packagings must be secured and cushioned within the outer package to prevent breakage, leakage, and movement.

14.1. UN number

N/A – excepted from HMR

14.2. UN proper shipping name

N/A – excepted from HMR

14.3. Transport hazard class(es)

N/A – excepted from HMR

14.4. Packing group

N/A – excepted from HMR

14.5. Environmental hazards

N/A

14.6. Special precautions for user

ADR – road: N/A – excepted from HMR

RID- rail: N/A – excepted from HMR

IMDG – sea: N/A – excepted from HMR

IATA – air: Do not ship via passenger or cargo aircraft

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk: UN1987, Alcohols, n.o.s. (Ethanol, Isopropanol), 3, pg III

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

U.S. Federal Regulations

EPA Registration Number: 3822 (Ethyl Alcohol) 4291 (Isopropyl Alcohol)

TSCA – All intentionally added components of this product are listed on the US TSCA Inventory.

SARA 302: not listed

SARA 304: not listed

SARA 311: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313: Listed: Isopropyl Alcohol

U.S. States

California: This product has been evaluated and does not require warning labeling under California Proposition 65.

Massachusetts Right to Know Substances: Ethyl Alcohol (50 – 75%), Isopropyl Alcohol (1 – 10%)

New Jersey Right to Know Substances: Ethyl Alcohol (50 – 75%), Isopropyl Alcohol (1 – 10%)

Pennsylvania Right to Know Substances: Ethyl Alcohol (50 – 75%), Isopropyl Alcohol (1 – 10%)

15.2 Chemical Safety Assessment: None required.

16. OTHER INFORMATION

HMIS Hazard Rating:

Health: 1	Flammability: 3	Reactivity: 0
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Full text of Classification abbreviations used in Section 2 and 3:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

Supersedes: SDS-142 Rev001

Date updated: August 19, 2020

Change Control Document #: NR2961, DCN7451, 7602

Revision Summary: August 19, 2020 Added product numbers for new variants

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.

Manufacturer disclaimer:

The information and recommendations are taken from sources (raw material MSDS(s), SDS(s) and manufacturers knowledge) believed to be accurate; however, the manufacturer makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.