



SAFETY DATA SHEET

Epi San™ Instant Hand Sanitizing Gel

1. Identification

Product identifier

Product name Epi San™ Instant Hand Sanitizing Gel

Product number 01127,01034,01038,01039,01015

Recommended use of the chemical and restrictions on use

Application Hand sanitizer.

Details of the supplier of the safety data sheet

Supplier Deb USA, Inc.
2815 Coliseum Centre Drive, Suite 600
Charlotte, North Carolina 28217 USA
800-248-7190

Emergency telephone number

Emergency telephone Chemtrec 800 424 9300 (24 hour)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Flam. Liq. 3 - H226

Health hazards Eye Irrit. 2A - H319

Environmental hazards Not Classified

Human health Irritating to eyes.

Label elements

Pictogram



Signal word Warning

Hazard statements H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.

Precautionary statements P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233 Keep container tightly closed.
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 foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with national regulations.

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3. Composition/information on ingredients

Mixtures

ETHANOL		60-100%
CAS number: 64-17-5	REACH registration number: 01-2119457610-43-XXXX	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2A - H319		

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition comments Ethyl Alcohol, Water, Aloe Barbadensis Leaf Juice, Propylene Glycol, Glycerin, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Aminomethyl Propanol, Fragrance, Yellow 5 (CI 19140), Blue 1 (CI 42090).

4. First-aid measures

Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Skin Contact	Remove contaminated clothing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed

Inhalation	No specific symptoms known.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause severe eye irritation.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Special hazards arising from the substance or mixture

Specific hazards	FLAMMABLE. Forms explosive mixtures with air.
Hazardous combustion products	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m ³ . Oxides of carbon.

Advice for firefighters

Protective actions during firefighting Fight fire from safe distance or protected location. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

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6. Accidental release measures

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wash thoroughly after dealing with a spillage. Absorb spillage with non-combustible, absorbent material.

Reference to other sections For personal protection, see Section 8.

7. Handling and storage

Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): OSHA 1000 ppm 1900 mg/m³

OSHA = Occupational Safety and Health Administration.

ETHANOL (CAS: 64-17-5)

DNEL	Professional - Inhalation; local effects: 1900 mg/m ³ Professional - Dermal; Long term systemic effects: 343 mg/kg/day Professional - Inhalation; Long term systemic effects: 950 mg/m ³ Consumer - Inhalation; local effects: 950 mg/m ³ Consumer - Dermal; Long term systemic effects: 206 mg/kg/day Consumer - Inhalation; Long term systemic effects: 114 mg/m ³ Consumer - Oral; Long term systemic effects: 87 mg/kg/day
PNEC	- Marine water; 0.79 mg/l - Fresh water; 0.96 mg/l - Intermittent release; 2.75 mg/l - STP; 580 mg/l - Sediment (Freshwater); 3.46 mg/kg - Sediment (Marinewater); 2.9 mg/l - Soil; 0.63 mg/kg
Immediate danger to life and health	3300 ppm

Exposure controls

Protective equipment



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Appropriate engineering controls	Not relevant.
Eye/face protection	Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.
Hand protection	Not applicable.
Hygiene measures	DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated.
Respiratory protection	Not relevant.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Viscous liquid.
Color	Green.
Odor	Fragrant Alcohol.
pH	pH (concentrated solution): 7.5
Initial boiling point and range	173.1°F (78.4°C) [Ethyl alcohol]
Flash point	74°F OC (Open cup).
Evaporation rate	1.4 (Ethyl alcohol)
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 3.3 % (V) Ethanol Upper flammable/explosive limit: 19 % (V) Ethanol
Vapour pressure	40 mm Hg @ °C
Vapour density	1.59 (Ethyl alcohol)
Relative density	approx. 0.9
Solubility(ies)	Soluble in water.
Other information	None.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	No particular stability concerns.
Possibility of hazardous reactions	Not known.
Conditions to avoid	Avoid heat, flames and other sources of ignition.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m ³ . Oxides of carbon.

11. Toxicological information

Information on toxicological effects

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Toxicological effects	No information available.
General information	No specific health hazards known.
Inhalation	May cause nausea, headache, dizziness and intoxication.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin Contact	Skin irritation should not occur when used as recommended. Prolonged contact may cause dryness of the skin.

12. Ecological Information

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Mobility in soil

Mobility The product is soluble in water.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered. Only experts should be permitted to carry out disposal of this material.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN Number

UN No. (DOT) 1987

UN No. (IMDG) 1987

UN No. (ICAO) 1987

UN proper shipping name

Proper shipping name (DOT) ALCOHOLS, N.O.S.

Proper shipping name (IMDG) ALCOHOLS, N.O.S.

Proper shipping name (ICAO) ALCOHOLS, N.O.S.

Transport hazard class(es)

DOT hazard class 9

DOT hazard label ORM-D (Other Regulated Material D).

TDG class 3

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TDG label 3

IMDG Class 3

ICAO class/division 3

Transport labels



Packing group

DOT pack group II

IMDG packing group II

ICAO packing group II

Special precautions for user

EmS F-E, S-D

15. Regulatory information

16. Other information

Revision comments New SDS Software

Revision date 7/9/2015

Revision 4

Supersedes date 6/15/2015

SDS No. 11164

Hazard statements in full
 H225 Highly flammable liquid and vapor.
 H226 Flammable liquid and vapor.
 H319 Causes serious eye irritation.

ACA HMIS Health rating. Slight Hazard. (1)

ACA HMIS Physical hazard rating. Unstable if heated. (1)

ACA HMIS Personal protection rating. N/A.

ACA HMIS Flammability rating. Ignites easily. (3)

Notes For Risk Phrases And Hazard Statements In Full The full text for Risk Phrases and Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.