



SAFETY DATA SHEET

Cutan Gel Hand Sanitiser

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Cutan Gel Hand Sanitiser

Product number CAG150S, CAG36D, CAG392, CAG39G, CAG400P, CAG50ML, ALG1000LSC

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses PT1 Human Hygiene Biocidal Product For full details regarding recommended uses please refer to the product label.

1.3. Details of the supplier of the safety data sheet

Supplier

Deb Ltd
 Denby Hall Way
 Denby
 Derbyshire
 DE5 8JZ
 Main Tel. 01773 855100
 Technical Tel 01773 855105
 reach@deb.co.uk

1.4. Emergency telephone number

Emergency telephone National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)
 National Poisons Information Centre (Eire) 01-8092566/8379964

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

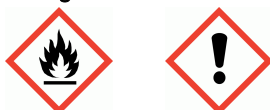
Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

Human health Irritating to eyes.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.

Cutan Gel Hand Sanitiser

Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 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.

Supplemental label information Eye 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.
 BPR001 Use biocides safely. Always read the label and product information before use.

Supplementary precautionary statements P233 Keep container tightly closed.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHANOL			70.0%
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX	

Classification

Flam. Liq. 2 - H225
 Eye Irrit. 2 - H319

PROPAN-1-OL			10.0%
CAS number: 71-23-8	EC number: 200-746-9	REACH registration number: 01-2119486761-29-XXXX	

Classification

Flam. Liq. 2 - H225
 Eye Dam. 1 - H318
 STOT SE 3 - H336

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

INCI Alcohol Denat.
 Aqua
 Propyl Alcohol
 Glycerin
 Panthenol
 Acrylates/C10-30 Alkyl Acrylate Crosspolymer
 Triisopropanolamine

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Get medical attention if any discomfort continues.

Cutan Gel Hand Sanitiser

Inhalation	Due to the small packaging, the risk of inhalation is minimal.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
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.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	No specific symptoms known.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	None known.
Eye contact	May cause severe eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Highly flammable liquid and vapour. May form explosive mixture with air at very high concentration.
Hazardous combustion products	Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.
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6.3. 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. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Cutan Gel Hand Sanitiser

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

7.2. 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.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

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

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

PROPAN-1-OL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 500 mg/m³

Short-term exposure limit (15-minute): WEL 250 ppm 625 mg/m³

Sk

GLYCERIN

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments None.

ETHANOL (CAS: 64-17-5)

DNEL

Professional - Inhalation; local effects: 1900 mg/m³

Professional - Dermal; Long term systemic effects: 343 mg/kg/day

Professional - Inhalation; Long term systemic effects: 950 mg/m³

Consumer - Inhalation; local effects: 950 mg/m³

Consumer - Dermal; Long term systemic effects: 206 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 114 mg/m³

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

PROPAN-1-OL (CAS: 71-23-8)

Cutan Gel Hand Sanitiser

DNEL	<p>Consumer - Inhalation; Long term systemic effects: 80 mg/m³ Industry - Inhalation; Short term systemic effects: 1723 mg/m³ Industry - Inhalation; Long term systemic effects: 268 mg/m³ Consumer - Inhalation; Short term systemic effects: 1036 mg/m³ Consumer - Oral; Long term systemic effects: 61 mg/m³ Consumer - Dermal; Long term systemic effects: 81 mg/kg/day Industry - Dermal; Long term systemic effects: 136 mg/kg/day</p>
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PNEC	<p>- Fresh water; 10 mg/l - Marine water; 1 mg/l - Soil; 2.2 mg/kg - Sediment (Marinewater); 2.28 mg/kg - STP; 96 mg/l - Sediment (Freshwater); 22.8 mg/kg - Intermittent release; 10 mg/l</p>
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1,1',1"-NITRILOTRIPROPAN-2-OL (CAS: 122-20-3)

DNEL	<p>Workers - Inhalation; Long term systemic effects: 86 mg/m³ Workers - Dermal; Long term systemic effects: 50 mg/kg/day General population - Inhalation; Long term systemic effects: 21 mg/m³ General population - Dermal; Long term systemic effects: 25 mg/kg/day General population - Oral; Long term systemic effects: 9.7 mg/kg/day</p>
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PNEC	<p>- Fresh water; 0.71 mg/l - Marine water; 0.071 mg/l - Intermittent release; 7.1 mg/l - STP; 2.26 mg/l - Sediment (Freshwater); 7.88 mg/kg - Sediment (Marinewater); 0.788 mg/kg - Soil; 1.16 mg/kg</p>
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8.2. Exposure controls

Protective equipment



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 relevant.
Other skin and body protection	Not relevant.
Hygiene measures	DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated.
Respiratory protection	Not relevant.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
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Cutan Gel Hand Sanitiser

Colour	Colourless.
Odour	Characteristic.
Odour threshold	Not determined.
pH	pH (concentrated solution): 6.5-7.5
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	19 Deg C°C
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not determined.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon.

Cutan Gel Hand Sanitiser

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Highly irritating. OECD 438

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vivo Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information

No specific health hazards known.

Inhalation

No specific health hazards known.

Ingestion

May cause nausea, headache, dizziness and intoxication.

Skin contact

Skin irritation should not occur when used as recommended.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

ETHANOL

Acute toxicity - oral

Cutan Gel Hand Sanitiser

Acute toxicity oral (LD₅₀ mg/kg) 10,470.0

Species Rat

ATE oral (mg/kg) 10,470.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 20,000.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 117.0

Species Rat

ATE inhalation (vapours mg/l) 117.0

Skin corrosion/irritation

Animal data Oedema score: Very slight oedema - barely perceptible (1).

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

PROPAN-1-OL

Acute toxicity - oral

Notes (oral LD₅₀) LD50 >2000 mg/Kg Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 4,000.0

Species Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC50 >20mg/L 4h Rat

Skin corrosion/irritation

Animal data Erythema/eschar score: No erythema (0). Oedema score: No oedema (0).

Serious eye damage/irritation

Serious eye damage/irritation H318

SECTION 12: Ecological Information

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Toxicity The product is not expected to be toxic to aquatic organisms.

ETHANOL

Cutan Gel Hand Sanitiser

Acute toxicity - fish	LC50, 96 hours: 15300 mg/l, Pimephales promelas (Fat-head Minnow) LC50, 96 hours: mg/l, Algae
Acute toxicity - aquatic invertebrates	EC50, > 48 hours: 10000 mg/l, Daphnia magna EC50, : 858 24H mg/l, Marinewater invertebrates EC50, 48 hours: mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC50, 72 hours: 275 mg/l, Freshwater algae IC50, 72 hours: 5000 mg/l, Fish

PROPAN-1-OL

Acute toxicity - fish	LC50, 96 hours: 4480 mg/l, Algae
Acute toxicity - aquatic invertebrates	EC50, 48 hours: 3644 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC50, 192 hours: 3100 mg/l, Freshwater algae
Acute toxicity - microorganisms	IC50, 3 hour: >1000 mg/l, Activated sludge

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Disposal methods Reuse or recycle products wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1987
UN No. (IMDG)	1987
UN No. (ICAO)	1987

Cutan Gel Hand Sanitiser

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ALCOHOLS, N.O.S. (ETHANOL, PROPAN-1-OL)

Proper shipping name (IMDG) ALCOHOLS, N.O.S. (ETHANOL, PROPAN-1-OL)

Proper shipping name (ICAO) ALCOHOLS, N.O.S. (ETHANOL, PROPAN-1-OL)

Proper shipping name (ADN) ALCOHOLS, N.O.S. (ETHANOL, PROPAN-1-OL)

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID label 3

IMDG class 3

ICAO class/division 3

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code •3YE

Hazard Identification Number (ADR/RID) 33

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Cutan Gel Hand Sanitiser

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

REGULATION (EU) No 528/2012 (as amended) concerning the making available on the market and use of biocidal products.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Use biocides safely. Always read the label and product information before use. Only trained personnel should use this material.
Key literature references and sources for data	Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.
Revision comments	SDS amended in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended)
Revision date	06/06/2017
Revision	8
Supersedes date	28/01/2016
Hazard statements in full	H225 Highly flammable liquid and vapour. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Notes for Hazard Statements in Full	The full text for 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.