



**SAFETY DATA SHEET**  
**Cutan Gel Hand Sanitiser**

According to Regulation (EU) No 453/2010

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**Product name** Cutan Gel Hand Sanitiser  
**Product No.** 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**

National Poisons Information Service (UK) 0844 8920111 National Poisons Information Centre (Eire) 01-8092566/8379964

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (1999/45/EEC)** Xi;R41. F;R11.

**Human health**

Irritating to eyes.

**Environment**

The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

**Physical and Chemical Hazards**

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

**2.2. Label elements**

**Labelling**



Irritant



Highly flammable

**Risk Phrases**

R11 Highly flammable  
R41 Risk of serious damage to eyes.

**Safety Phrases**

S2 Keep out of the reach of children.  
S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S46 If swallowed, seek medical advice immediately and show this container or label.

**2.3. Other hazards**

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This product does not contain any PBT or vPvB substances.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<b>ETHANOL</b>	<b>70%</b>
<b>CAS-No.: 64-17-5</b>	<b>EC No.: 200-578-6</b>
	<b>Registration Number: 01-2119457610-43</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11

  

<b>PROPAN-1-OL</b>	<b>10%</b>
<b>CAS-No.: 71-23-8</b>	<b>EC No.: 200-746-9</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R41 R67

The Full Text for all R-Phrases and Hazard Statements are 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.

##### Inhalation

General first aid, rest, warmth and fresh air.

##### Ingestion

DO NOT induce vomiting. Get medical attention immediately.

##### Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

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

##### Inhalation

No specific symptoms noted.

##### Ingestion

May cause nausea, headache, dizziness and intoxication.

##### Skin contact

None known.

##### Eye contact

May cause severe irritation to eyes.

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

No specific first aid measures noted.

### SECTION 5: FIREFIGHTING MEASURES

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### 5.1. Extinguishing media

#### Extinguishing media

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

### 5.2. Special hazards arising from the substance or mixture

#### Hazardous combustion products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

#### Unusual Fire & Explosion Hazards

FLAMMABLE. Forms explosive mixtures with air.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

Cool containers exposed to flames with water until well after the fire is out.

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

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

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

For personal protection, see section 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

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

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

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)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANOL	WEL	1000 ppm	1920 mg/m <sup>3</sup>			
PROPAN-1-OL	WEL	200 ppm	500 mg/m <sup>3</sup>	250 ppm	625 mg/m <sup>3</sup>	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

#### Ingredient Comments

None.

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### ETHANOL (CAS: 64-17-5)

<b>DNEL</b>					
Professional	Inhalation.	Local Effects	1900		mg/m <sup>3</sup>
Professional	Dermal	Long Term	Systemic Effects		343 mg/kg/day
Professional	Inhalation.	Long Term	Systemic Effects		950 mg/m <sup>3</sup>
Consumer	Inhalation.	Local Effects	950		mg/m <sup>3</sup>
Consumer	Dermal	Long Term	Systemic Effects		206 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects		114 mg/m <sup>3</sup>
Consumer	Oral	Long Term	Systemic Effects		87 mg/kg/day
<b>PNEC</b>					
Freshwater	0.96	mg/l			
Marinewater	0.79	mg/l			

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

<b>DNEL</b>					
Industry	Dermal	Long Term	Systemic Effects		136 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects		268 mg/m <sup>3</sup>
Industry	Inhalation.	Short Term	Systemic Effects		1723 mg/m <sup>3</sup>
Consumer	Dermal	Long Term	Systemic Effects		81 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects		80 mg/m <sup>3</sup>
Consumer	Inhalation.	Short Term	Systemic Effects		1036 mg/m <sup>3</sup>
Consumer	Oral	Long Term	Systemic Effects		61 mg/m <sup>3</sup>
<b>PNEC</b>					
Freshwater	10	mg/l			
STP	96	mg/l			
Soil	2.2	mg/kg			
Sediment (Marinewater)	2.28	mg/kg			
Sediment (Freshwater)	22.8	mg/kg			
Intermittent release	10	mg/l			
Marinewater	1	mg/l			

## 8.2. Exposure controls

### Protective equipment



### Process conditions

Provide eyewash station.

### Engineering measures

Not relevant

### Respiratory equipment

Not relevant

### Hand protection

Hand protection not required.

### 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.

### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Appearance** Viscous liquid.

**Colour** Colourless.

**Odour** Characteristic.

#### Initial boiling point and boiling range (°C)

Not determined.

#### Melting point (°C)

Not determined.

#### Relative density

Not determined.

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### Vapour density (air=1)

Not determined.

### Vapour pressure

Not determined.

### Evaporation rate

Not determined.

**pH-Value, Conc. Solution** 6.5-7.5

### Viscosity

Not determined.

### Decomposition temperature (°C)

Not determined.

### Odour Threshold, Lower

Not determined.

### Odour Threshold, Upper

Not determined.

**Flash point (°C)** 19 Deg C

### Auto Ignition Temperature (°C)

Not determined.

### Flammability Limit - Lower(%)

Not determined.

### Flammability Limit - Upper(%)

Not determined.

### Partition Coefficient (N-Octanol/Water)

Not determined.

### Explosive properties

Not determined.

### Oxidising properties

Does not meet the criteria for oxidising.

## 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

No particular stability concerns.

### 10.3. Possibility of hazardous reactions

Not known.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

#### Materials To Avoid

No incompatible groups noted.

### 10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity:

Based on available data the classification criteria are not met.

#### Skin Corrosion/Irritation:

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Based on available data the classification criteria are not met.

### **Respiratory or skin sensitisation:**

Based on available data the classification criteria are not met.

### **Germ cell mutagenicity:**

Does not contain any substances known to be mutagenic.

### **Carcinogenicity:**

Does not contain any substances known to be carcinogenic.

### **Reproductive Toxicity:**

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:**

Based on available data the classification criteria are not met.

### **General information**

No specific health warnings noted.

### **Inhalation**

No specific health warnings noted.

### **Ingestion**

May cause nausea, headache, dizziness and intoxication.

### **Skin contact**

Skin irritation is not anticipated when used normally.

### **Eye contact**

Irritating and may cause redness and pain.

### **Toxicological information on ingredients.**

#### **ETHANOL (CAS: 64-17-5)**

#### **Toxic Dose 1 - LD 50**

7060 mg/kg (oral rat)

#### **Toxic Dose 2 - LD 50**

3500 mg/kg (oral rat)

#### **Toxic Conc. - LC 50**

20000 ppm/-- (ihl-rat)

### **Acute toxicity:**

#### **Acute Toxicity (Dermal LD50)**

> 20000 mg/kg Rabbit

### **Skin Corrosion/Irritation:**

#### **Oedema score**

Very slight oedema -barely perceptible (1).

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

#### Toxic Dose 1 - LD 50

1870 mg/kg (oral rat)

#### Toxic Conc. - LC 50

>33.8 mg/l/4h (inh-rat)

#### Acute toxicity:

##### Acute Toxicity (Dermal LD50)

4000 mg/kg Rabbit

##### Acute Toxicity (Inhalation LC50)

> 39.1 mg/l (vapours) Rat 1 hour

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

### 12.1. Toxicity

The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

#### Ecological information on ingredients.

#### ETHANOL (CAS: 64-17-5)

##### Acute Toxicity - Fish

LC50 96 hours 15300 mg/l Pimephales promelas (Fat-head Minnow)

##### Acute Toxicity - Aquatic Invertebrates

EC50 48 hours > 10000 mg/l Daphnia magna

EC50 858 24H mg/l Marinewater invertebrates

##### IC 50, 72 Hrs, Algae, mg/l

5000

##### Acute Toxicity - Aquatic Plants

EC50 72 hours 275 mg/l Freshwater algae

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

##### LC 50, 96 Hrs, Fish mg/l

4480

##### EC 50, 48 Hrs, Daphnia, mg/l

3644

##### Acute Toxicity - Aquatic Plants

EC50 192 hours 3100 mg/l Freshwater algae

### 12.2. Persistence and degradability

#### Degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### Ecological information on ingredients.

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

##### Biodegradation

Degradation (75%) 20 days

### 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.

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### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

### 13.1. Waste treatment methods

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

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

### 14.2. UN proper shipping name

Proper Shipping Name	ALCOHOLS, N.O.S. (ETHANOL, PROPAN-1-OL)
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### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	



### 14.4. Packing group

ADR/RID/ADN 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 No. (ADR)	33
Tunnel Restriction Code	(D/E)



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

#### SECTION 15: REGULATORY INFORMATION

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

###### 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. 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. 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.

###### Information Sources

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

New REACH Annex 2 Compliant MSDS

**Revision Date** 14/01/2013

**Revision** 2

**Supersedes date** 15/02/2011

###### Risk Phrases In Full

R11	Highly flammable
R41	Risk of serious damage to eyes.
R67	Vapours may cause drowsiness and dizziness.

###### Hazard Statements In Full

H225	Highly flammable liquid and vapour.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

###### 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.

###### Disclaimer

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.