SAFETY DATA SHEET
Cutan Complete Foaming Hand Sanitiser

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

1.1. Product identifier
Product name       Cutan Complete Foaming Hand Sanitiser
Product number     CFS39H, CFS400P, CFS47ML, CFS400PDM

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses     PT1 Human Hygiene Biocidal Product

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

2.2. Label elements
Pictogram
Signal word         Danger
Hazard statements   H225 Highly flammable liquid and vapour.
                    H319 Causes serious eye irritation.
Cutan Complete Foaming Hand Sanitiser

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.
P404 Store in a closed container.
P501 Dispose of contents/container in accordance with local regulations.

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

Supplementary precautionary statements
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear eye protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

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

<table>
<thead>
<tr>
<th>ETHANOL</th>
<th>80.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 64-17-5</td>
<td>EC number: 200-578-6</td>
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<tr>
<td>REACH registration number: 01-2119457610-43-XXXX</td>
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</tbody>
</table>

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

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

SECTION 4: First aid measures

4.1. 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
Rinse mouth. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact
Not relevant.

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.
Cutan Complete Foaming Hand Sanitiser

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.

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.

5.2. Special hazards arising from the substance or mixture
Specific hazards
The product is highly flammable.

Hazardous combustion products
Oxides of carbon.

5.3. Advice for firefighters
Protective actions during firefighting
Fight fire from safe distance or protected location.

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.

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.

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. Use explosion-proof electrical equipment. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Keep away from heat, sparks and open flame. Avoid contact with eyes. Good general ventilation should be adequate to control worker exposure to airborne contaminants.

Advice on general occupational hygiene
Do not smoke in work area.

7.2. Conditions for safe storage, including any incompatibilities
**Cutan Complete Foaming Hand Sanitiser**

**Storage precautions**
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Store at temperatures not exceeding 40°C. Take precautionary measures against static discharges.

**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

**Occupational exposure limits**

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

WEL = Workplace Exposure Limit

**Ingredient comments**
WEL = Workplace Exposure Limits

**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

**COCOGLUCOSIDE (CAS: 68515-73-1)**

| DNEL          | Workers - Inhalation; Long term systemic effects: 420 mg/m³  
|              | Workers - Dermal; Long term systemic effects: 595000 mg/kg/day  
|              | General population - Inhalation; Long term systemic effects: 124 mg/m³  
|              | General population - Dermal; Long term systemic effects: 357000 mg/kg/day  
|              | General population - Oral; Long term systemic effects: 35.7 mg/kg/day  

| PNEC | - Fresh water; 0.176 mg/l  
|      | - Marine water; 0.0176 mg/l  
|      | - Intermittent release; 0.27 mg/l  
|      | - STP; 560 mg/l  
|      | - Sediment (Freshwater); 1.516 mg/kg  
|      | - Sediment (Marinewater); 0.152 mg/kg  
|      | - Soil; 0.654 mg/kg

#### 8.2. Exposure controls
Cutan Complete Foaming Hand Sanitiser

Protective equipment

Appropriate engineering controls

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Other skin and body protection

Hygiene measures
Do not smoke in work area. Promptly remove any clothing that becomes contaminated.

Respiratory protection

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Clear liquid.

Colour
Colourless.

Odour
Alcoholic.

Odour threshold
Not determined.

pH
pH (concentrated solution): 5.0-7.5

Melting point
Not determined.

Initial boiling point and range
Not determined.

Flash point
15.5 °C A 9

Evaporation rate
Not determined.

Upper/lower flammability or explosive limits
Not determined.

Vapour pressure
Not determined.

Vapour density
Not determined.

Relative density
~ 0.844 @ 20°C

Solubility(ies)
Soluble in water.

Partition coefficient
Not determined.

Auto-ignition temperature
Not determined.

Decomposition Temperature
Not determined.

Viscosity
2.67 mPa s @ 20°C

Explosive properties
Not determined.

Oxidising properties
Does not meet the criteria for classification as oxidising.

9.2. Other information
Cutan Complete Foaming Hand Sanitiser

Other information
No information required.

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.

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.

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
Based on available data the classification criteria are not met.

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

Specific target organ toxicity - single exposure
Cutan Complete Foaming Hand Sanitiser

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 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.

Toxicological information on ingredients.

ETHANOL

Acute toxicity - oral
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  Based on available data the classification criteria are not met.

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.

Ecological information on ingredients.
Cutan Complete Foaming Hand Sanitiser

ETHANOL

12.2. Persistence and degradability

**Acute aquatic toxicity**

**Acute toxicity - fish**

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

LC₅₀, 96 hours: mg/l, Fish

**Acute toxicity - aquatic invertebrates**

EC₅₀, > 48 hours: 10000 mg/l, Daphnia magna

EC₅₀, > 48 hours: 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, Algae

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)**

1170

**UN No. (IMDG)**

1170

**UN No. (ICAO)**

1170

**UN No. (ADN)**

1170

14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Proper shipping name (IMDG)**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Proper shipping name (ICAO)**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Cutan Complete Foaming Hand Sanitiser

Proper shipping name (ADN) ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)
ADR/RID class 3
ADR/RID classification code F1
ADR/RID label 3
IMDG class 3
ICAO class/division 3
ADN class 3

Transport labels

14.4. Packing group
ADR/RID packing group II
IMDG packing group II
ADN 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
ADR transport category 2
Emergency Action Code •2YE
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 Complete Foaming Hand Sanitiser

EU legislation


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

<table>
<thead>
<tr>
<th>General information</th>
<th>Use biocides safely. Always read the label and product information before use.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key literature references and sources for data</td>
<td>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.</td>
</tr>
<tr>
<td>Revision comments</td>
<td>Revision of information</td>
</tr>
<tr>
<td>Revision date</td>
<td>18/10/2016</td>
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<tr>
<td>Revision</td>
<td>7</td>
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<tr>
<td>Supersedes date</td>
<td>11/08/2016</td>
</tr>
<tr>
<td>Hazard statements in full</td>
<td>H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.</td>
</tr>
<tr>
<td>Notes for Hazard Statements in Full</td>
<td>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.</td>
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</table>