



SAFETY DATA SHEET

Cutan 1000 Green

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

1.1. Product identifier

Product name Cutan 1000 Green
Product number CGE39K, CGE1000L

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 SC Johnson Professional Ltd
 Denby Hall Way
 Denby
 Derbyshire
 DE5 8JZ
 +44 (0) 1773 855100
 sdsuk@scj.com

1.4. Emergency telephone number

Emergency telephone National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Aquatic Chronic 3 - H412

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

2.2. Label elements

Hazard statements H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P273 Avoid release to the environment.
 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.
 P501 Dispose of contents/ container in accordance with national regulations.

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

2.3. Other hazards

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

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

3-C12-14-(EVEN NUMBERED)-ALKYLAMIDO-N,N-DIMETHYLPROPAN-1-AMINO OXIDE

1-10%

CAS number: —

EC number: 939-581-9

REACH registration number: 01-2119978229-22-XXXX

M factor (Acute) = 1

Classification

Acute Tox. 4 - H302

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

Aquatic Chronic 3 - H412

ALKYL POLGLYCOSIDE C8-10

1-10%

CAS number: 68515-73-1

REACH registration number: 01-2119488530-36-0000

Classification

Eye Dam. 1 - H318

DIDECYLDIMETHYLAMMONIUM CHLORIDE

1-10%

CAS number: 7173-51-5

EC number: 230-525-2

REACH registration number: 01-2119945987-15-XXXX

M factor (Acute) = 10

Classification

Acute Tox. 4 - H302

Skin Corr. 1B - H314

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

Aquatic Chronic 2 - H411

ALKYLPOLYGLYCOSIDE C10-16

1-10%

CAS number: 110615-47-9

Classification

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

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D-GLUCONIC ACID, COMPOUND WITH N,N"-BIS(4-CHLOROPHENYL)-3,12-DIIMINO-2,4,11,13-TETRAAZATETRADECANEDIAMIDINE(2:1)	<1%
CAS number: 18472-51-0 REACH registration number: 01-2119946568-22-XXXX	
M factor (Acute) = 10 M factor (Chronic) = 1	
Classification Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
ALCOHOLS, C12-14 ETHOXYLATED	<1%
CAS number: 68439-50-9 EC number: 500-213-3 REACH registration number: 01-2119487984-16-0000	
M factor (Acute) = 1	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412	

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

INCI	AQUA, DECYL GLUCOSIDE, COCAMIDOPROPYLAMINE OXYDE, PEG-90 GLYCERYL ISOSTEARATE, DIDECYLDIMONIUM CHLORIDE, GLYCERIN, CHLORHEXIDINE DIGLUCONATE, COCO-GLUCOSIDE GLYCERYL OLEATE, TETRASODIUM EDTA, LAURETH-2, CITRIC ACID, CI 19140.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Not relevant.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Not applicable.
Eye contact	Remove any contact lenses and open eyelids wide apart. Important! Immediately rinse with water for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.

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Eye contact Irritation of eyes and mucous membranes.

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 The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products No known hazardous decomposition products.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

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. Avoid contact with eyes.

6.2. Environmental precautions

Environmental precautions Not considered to be a significant hazard due to the small quantities used.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid contamination of ponds or watercourses with washing down water. Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at moderate temperatures in dry, well ventilated area.

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

GLYCERIN

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

Ingredient comments None.

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3-C12-14-(EVEN NUMBERED)-ALKYLAMIDO-N,N-DIMETHYLPROPAN-1-AMINO OXIDE

DNEL

Workers - Inhalation; Long term systemic effects: 3.52 mg/m³
 Workers - Dermal; Long term systemic effects: 5 mg/kg/day
 Workers - Dermal; Long term local effects: 0.27 %
 General population - Inhalation; Long term systemic effects: 0.87 mg/m³
 General population - Dermal; Long term systemic effects: 2.5 mg/kg/day
 General population - Dermal; Long term local effects: 0.27 %
 General population - Oral; Long term systemic effects: 0.25 mg/kg/day

PNEC

- Fresh water; 30.3 µg/L
- marine water; 3.04 µg/L
- Intermittent release; 3.4 µg/L
- STP; 9.7 mg/l
- Sediment (Freshwater); 0.214 mg/kg
- Sediment (Marinewater); 0.021 mg/kg
- Soil; 0.025 µg/kg

ALKYL POLGLYCOSIDE C8-10 (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
- Soil; 0.654 mg/kg

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

DNEL

Workers - Inhalation; Long term systemic effects: 18.2 mg/m³
 Workers - Dermal; Long term systemic effects: 8.6 mg/kg/day

PNEC

- Fresh water; 2 µg/L
- marine water; 0.2 µg/L
- Intermittent release; 0.29 µg/L
- STP; 0.595 mg/l
- Sediment (Freshwater); 2.82 mg/kg
- Sediment (Marinewater); 0.28 mg/kg
- Soil; 1.4 mg/kg

GLYCERIN (CAS: 56-81-5)

DNEL

Workers - Inhalation; Long term local effects: 56 mg/m³
 General population - Inhalation; Long term local effects: 33 mg/m³
 General population - Oral; Long term systemic effects: 229 mg/kg/day

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PNEC Fresh water; 0.885 mg/l
 marine water; 0.088 mg/l
 STP; 1000 mg/l
 Sediment (Freshwater); 3.3 mg/kg
 Sediment (Marinewater); 0.33 mg/kg
 Soil; 0.141 mg/kg

D-GLUCONIC ACID, COMPOUND WITH N,N"-BIS(4-CHLOROPHENYL)-3,12-DIIMINO-2,4,11,13-TETRAAZATETRADECANEDIAMIDINE(2:1) (CAS: 18472-51-0)

DNEL Workers - Inhalation; Long term systemic effects: 0.42 mg/m³
 Workers - Dermal; Long term systemic effects: 5 mg/kg
 General population - Inhalation; Long term systemic effects: 0.1 mg/m³
 General population - Dermal; Long term systemic effects: 3 mg/kg/day
 General population - Dermal; Short term local effects: 5 mg/kg/day
 General population - Oral; Long term systemic effects: 0.03 mg/kg/day
 General population - Oral; Short term systemic effects: 2 mg/kg/day

PNEC - Fresh water; 0.002 mg/l
 - marine water; 0.0002 mg/l
 - STP; 0.25 mg/l
 - Sediment (Marinewater); 0.0433 mg/kg
 - Soil; 5.26 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

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

DNEL Consumer - Inhalation; Long term local effects: 1.5 mg/m³
 Professional - Inhalation; Long term local effects: 2.5 mg/m³
 Professional - Inhalation; Long term systemic effects: 2.5 mg/m³
 Professional - Inhalation; Short term systemic effects: 2.8 mg/m³
 Consumer - Oral; Long term systemic effects: 28 mg/kg/day
 Professional - Inhalation; Short term systemic effects: 2.5 mg/m³
 Professional - Inhalation; Short term local effects: 2.5 mg/m³
 Consumer - Inhalation; Short term systemic effects: 1.5 mg/m³

PNEC - STP; 43 mg/l
 - Soil; 0.72 mg/kg
 - marine water; 0.22 mg/l
 - ; Intermittent release 1.2 mg/l
 - Fresh water; 2.2 mg/l

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ALCOHOLS, C12-14 ETHOXYLATED (CAS: 68439-50-9)

DNEL - ; Long term systemic effects: 294 mg/m³
 Workers - Dermal; Long term systemic effects: 2080 mg/kg/day
 General population - Inhalation; Long term systemic effects: 87 mg/m³
 General population - Dermal; Long term systemic effects: 1250 mg/kg/day
 General population - Oral; Long term systemic effects: 25 mg/kg/day

PNEC

- Fresh water; 0.0437 mg/l
- marine water; 0.043.7 mg/l
- Intermittent release; 0.004 mg/l
- STP; 10 g/L
- Sediment (Freshwater); 31 mg/kg
- Sediment (Marinewater); 31 mg/kg
- Soil; 1 mg/kg

CITRIC ACID (CAS: 5949-29-1)

PNEC

- Fresh water; 0.44 mg/l
- marine water; 0.044 mg/l
- STP; 1000 mg/l
- Sediment (Freshwater); 34.66 mg/kg
- Sediment (Marinewater); 3.46 mg/kg
- Soil; 33.1 mg/kg

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.
Respiratory protection	Not relevant.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Green.
Odour	Characteristic.
Odour threshold	Not determined.
pH	pH (concentrated solution): 6.8-7.8
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.

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Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Scientifically unjustified.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	Soluble in water.
Partition coefficient	Data lacking.
Auto-ignition temperature	Scientifically unjustified.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Scientifically unjustified.
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

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

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 No known hazardous decomposition products.

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.

ATE oral (mg/kg) 10,373.44

Acute toxicity - dermal

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

Acute toxicity - inhalation

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Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Animal data	Moderately irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vivo	Does not contain any substances known to be mutagenic.
<u>Carcinogenicity</u>	
Carcinogenicity	Does not contain any substances known to be carcinogenic.
<u>Reproductive toxicity</u>	
Reproductive toxicity - development	Does not contain any substances known to be toxic to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	No information available.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	No information available.
<u>Aspiration hazard</u>	
Aspiration hazard	Based on available data the classification criteria are not met.
<u>Inhalation</u>	
Inhalation	No specific health hazards known.
<u>Ingestion</u>	
Ingestion	May cause discomfort if swallowed.
<u>Skin contact</u>	
Skin contact	Skin irritation should not occur when used as recommended.
<u>Eye contact</u>	
Eye contact	Irritating to eyes.

Toxicological information on ingredients.

D-GLUCONIC ACID, COMPOUND WITH N,N"-BIS(4-CHLOROPHENYL)-3,12-DIIMINO-2,4,11,13-TETRAAZATETRADECANEDIAMIDINE(2:1)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat Rat

ATE oral (mg/kg) 2,000.1

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,000.0

Species Rabbit

ATE dermal (mg/kg) 5,000.0

Germ cell mutagenicity

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Genotoxicity - in vitro :

SECTION 12: Ecological information

12.1. Toxicity

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

Ecological information on ingredients.

D-GLUCONIC ACID, COMPOUND WITH N,N"-BIS(4-CHLOROPHENYL)-3,12-DIIMINO-2,4,11,13-TETRAAZATETRADECANEDIAMIDINE(2:1)

Acute aquatic toxicity

LE(C)₅₀	0.01 < L(E)C ₅₀ ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC ₅₀ , 96 hours: 10.4 mg/l, Brachydanio rerio (Zebra Fish) LC ₅₀ , 96 hours: mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.05-0.1 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 0.011 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC ₅₀ , 3 hours: 25 mg/l, Activated sludge
Acute toxicity - terrestrial	LC ₀ 14d Eisenia fetida >100mg/Kg

Chronic aquatic toxicity

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product 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.

D-GLUCONIC ACID, COMPOUND WITH N,N"-BIS(4-CHLOROPHENYL)-3,12-DIIMINO-2,4,11,13-TETRAAZATETRADECANEDIAMIDINE(2:1)

Biodegradation Degradation (%)
- 70 Degradation (%): 10 days

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Data lacking.

Ecological information on ingredients.

D-GLUCONIC ACID, COMPOUND WITH N,N"-BIS(4-CHLOROPHENYL)-3,12-DIIMINO-2,4,11,13-TETRAAZATETRADECANEDIAMIDINE(2:1)

Bioaccumulative potential The product is not bioaccumulating. BCF: 42,

12.4. Mobility in soil

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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 When handling waste, the safety precautions applying to handling of the product should be considered.

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

SECTION 14: Transport information

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

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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).

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.
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	This is the first issue.
Revision date	17/12/2018
Revision	5
Supersedes date	19/01/2018
SDS number	21123
Hazard statements in full	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
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.