

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name: CACTUS SURFACE DISINFECTANT- READY TO USE

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

Main use of category: Professional use

Industrial/Professional use: For Professional use

Use of substance / mixture: Disinfectant-Cleaner

### 1.3. Details of the supplier of the safety data sheet

Supplier of Safety Data Sheet: Simuli

Unit J, Broxtowe Park Business Centre

Calverton Drive, Nottingham, NG8 6QP, UK

Phone +44(0)1156781546

United Kingdom

Email: [sds@simuli.net](mailto:sds@simuli.net)

### 1.4. Emergency telephone number

Emergency Tel: +44 (0)1156781546

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Skin irritation H315

Serious eye irritation H319

Adverse physicochemical, human health and environmental effects No additional information available

## 2.2. Label elements

Label elements:

Hazard statements:

H315- Causes Skin Irritation

H319 - Causes serious eye irritation.



GHS05: Exclamation mark

Signal words: Warning

Contains: Quaternary ammonium compounds (DIDECYLDIMETHYLAMMONIUM CHLORIDE), benzyl-C12-16-alkyldimethyl, chlorides

Precautionary statements:

P264 - Wash hands thoroughly after handling

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective gloves.

P302+P352 - IF ON SKIN: Wash with plenty of soap, water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P315 - Get immediate medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

## 2.3. Other hazards

No additional information available

## Section 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2. Mixtures

#### Hazardous ingredients:

Name	Product Identifier	%	"Classification according to Regulation (EC) No. 1272/2008 [CLP]"
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS-No.: 68424-85-1 EC-No.: 270-325-2 REACH-no: 01-2119965180- 41	0-2	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)
Alcohol Alkoxylate	CAS-No.: 166736-08-9 REACH-no: Exempt/Polymer	1-5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

#### Specific Concentration Limits:

Name	Product identifier	%	Specific concentration limits
DIDECYLDIMETHYLAMMONIUM CHLORIDE	CAS-No.: 7173-51-5	0-2	(1 < 100) Eye Dam. 1, H318

## Section 4: First aid measures

### 4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water

Eye contact: Bathe the eye with running water for 15 minutes. Seek medical attention if at all concerned.

Ingestion: Wash out mouth with water. If any discomfort occurs, seek medical attention.

Inhalation: Move to fresh air and keep comfortable for breathing

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

Inhalation: May cause respiratory irritation.

Skin contact: Causes skin irritation. Do not use with irritated and/or damaged skin.

Eye contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation: None expected under normal use

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

Treat symptomatically

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Carbon Dioxide. Dry powders. Foam

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

No additional Information available

### 5.3. Advice for fire-fighters

No additional Information available

## Section 6: Accidental release measures

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

#### 6.1.1 For non-emergency personnel

Emergency Procedures: Evacuate unnecessary personnel.

#### 6.2.2 For emergency responders

Protective Equipment: Use Personal Protective Equipment as required.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods of cleaning up large spills: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

Clean-up procedures: Small amounts can be wiped using clean cloth.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

Handling requirements: Avoid prolonged direct contact with the substance. Ensure there is sufficient ventilation of the area when handling large amounts.

Hygiene measures: Do not eat, drink or smoke whilst using this product.

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

Technical measures: Does not require any specific or particular technical measures.

Storage conditions: Keep container closed when not in use.

Incompatible products: Oxidizing agent. Strong acids. Strong bases.

Special rules on packaging: Keep only in original container.

### 7.3. Specific end use(s)

No additional Information available

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

Wear Gloves, Face, and Eye Protection. Safety Glasses EN166

##### 8.2.2.2. Skin protection

Skin and body protection: Not required for normal conditions of use.

Hand protection: Chemical resistant gloves (according to European standard EN 374 or equivalent). Nitrile rubber gloves

Other skin protection:

Materials for protective clothing: Not required for normal conditions of use

##### 8.2.2.3. Respiratory protection

Respiratory protection: Not required for normal conditions of use.

##### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## Section 9: Physical and chemical properties

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

Physical state: Liquid

Appearance: Clear, colourless liquid

Colour: Colourless.

Odour: odourless

pH: 10-11

Relative evaporation rate (butylacetate=1): No data available

Boiling point:  $\geq 100$  °C

Freezing point: No data available

Decomposition temperature: No data available

Vapour pressure: No data available

Relative density: 1.036

Solubility: Soluble in water

Oxidising properties: No data available

### 9.2. Other information

No additional information available

## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: Stable and unreactive under recommended usage, storage, or transport conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

None under normal use.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral): Not classified.

Acute toxicity (dermal): Not classified.

Acute toxicity (inhalation): Not classified.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: Not classified.

Carcinogenicity: Not classified

STOT-single exposure: Not classified.

STOT-repeated exposure: Not classified

## Section 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute): Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic): Toxic to aquatic life with long lasting effects

DIDECYLDIMETHYLAMMONIUM CHLORIDE	
96H LC50 - Fish [1]	0.19 mg/l
48h EC50 – Daphnia Magna	0.01 mg/l
ErC50 other aquatic plants	10 – 100 mg/l

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

No additional information available

## Section 14: Transport information

In accordance with ADR / IMDG / IATA

### 14.1. UN number

UN-No. (ADR): UN 3082

UN-No. (IMDG): UN 3082

UN-No. (IATA): UN 3082

### 14.2. UN proper shipping name

Proper Shipping Name (ADR): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (IMDG): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (IATA): Environmentally hazardous substance, liquid, n.o.s

Transport document description (ADR): UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUM CHLORIDE)

Transport document description (IMDG): UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUM CHLORIDE)

Transport document description (IATA): UN 3082 Environmentally hazardous substance, liquid, n.o.s. (DIDECYLDIMETHYLAMMONIUM CHLORIDE)

### 14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): 9

Danger labels (ADR): 9

IMDG

Transport hazard class(es) (IMDG): 9

Danger labels (IMDG): 9

IATA

Transport hazard class(es) (IATA): 9

Danger labels (IATA): 9

### 14.4. Packing group

Packing group (ADR): III

Packing group (IMDG): III

Packing group (IATA): III



#### 14.5. Environmental hazards

Dangerous for the environment: Yes (Environmentally hazardous substances derogation applies (quantity of liquids  $\leq$  5 litres or net mass of solids  $\leq$  5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.)

Marine pollutant: Yes (IMDG 5.2.1.6.1 derogation applies (quantity of liquids  $\leq$  5 litres or net mass of solids  $\leq$  5 kg))

Other information: No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Classification code (ADR): M6

Special provisions (ADR): 274, 335, 601

Limited quantities (ADR): 5I

Excepted quantities (ADR): E1

Packing instructions (ADR): P001, IBC03, LP01, R001

Special packing provisions (ADR): PP1

Mixed packing provisions (ADR): MP19

Portable tank and bulk container instructions (ADR): T4

Portable tank and bulk container special provisions (ADR): TP1, TP29

Tank code (ADR): LGBV

Transport category (ADR): 3

Special provisions for carriage - Packages (ADR): V12

Special provisions for carriage - Loading, unloading and handling (ADR): CV13

Hazard identification number (Kemler No.) : 90

EAC code: •3Z

##### Transport by sea

Special provisions (IMDG): 274, 335, 969

Limited quantities (IMDG): 5 L

Excepted quantities (IMDG): E1

Packing instructions (IMDG): P001, LP01

Special packing provisions (IMDG): PP1

IBC packing instructions (IMDG): IBC03

Tank instructions (IMDG): T4

Tank special provisions (IMDG): TP2, TP29

EmS-No. (Fire): F-A

EmS-No. (Spillage): S-F

Stowage category (IMDG): A

##### Air transport

PCA Excepted quantities (IATA): E1

PCA Limited quantities (IATA): Y964

PCA limited quantity max net quantity (IATA): 30kg

PCA packing instructions (IATA): 964

PCA max net quantity (IATA): 450L

CAO packing instructions (IATA): 964

CAO max net quantity (IATA): 450L

Special provisions (IATA): A97, A158, A197

ERG code (IATA): 9L

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

IBC code: Not applicable.

Section 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list.

Contains no REACH Annex XIV substances.

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Detergent Regulation (648/2004/EC): Labelling of contents:

Component	%
cationic surfactants, non-ionic surfactants	<5%

15.1.2. National regulations

"United Kingdom British National Regulations: Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

Detergent Regulation (648/2004/EC)."

15.2. Chemical Safety Assessment

No additional information available

Section 16: Other information

Full text of H- and EUH-statements:	Column2
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1

Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage
H319	Causes serious eye irritation.
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.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Irrit. 2 H315 Calculation method  
 Eye Dam. 1 H318 Calculation method  
 Aquatic Acute 1 H400 Calculation method  
 Aquatic Chronic 2 H411 Calculation method

Safety Data Sheet (SDS), EU This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product