

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

1.1. Product identifier

Product name: SURFACE ZERO

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

Use of substance / mixture: Disinfectant Surface Cleaner

1.3. Details of the supplier of the safety data sheet

Company name: Solar Medical & Chemical Ltd
Unit B1a Avondale Business Estate
Avondale Way
Cwmbran
NP44 1XE
United Kingdom
Tel: 01633 860818
Email: info@solarmedchem.co.uk

1.4. Emergency telephone number

Emergency tel: 0633869177
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

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

P102: Keep out of reach of children.

P103: Read label before use.

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DODECYL DIPROPYLENETRIAMINE - REACH registered number(s): 01-2119980592-29

EINECS	CAS	PBT / WEL	CLP Classification	Percent
219-145-8	2372-82-9	-	Acute Tox. 3: H301; Skin Corr. 1B: H314; STOT RE 2: H373; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Not classified under CLP no actions required

Eye contact: Seek medical attention if irritation or symptoms persist

Ingestion: Considered non hazardous by ingestion

Inhalation: Inhalation problems are unlikely

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

Skin contact: Though unlikely symptoms should be mild. If concerned get medical advice

Eye contact: If symptoms persist or are concerned get medical advice.

Ingestion: Based on available data classification criteria are not met

Inhalation: Based on available data the hazard criteria are not met

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Surfaces contaminated with the product will become slippery.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid contact with eyes, keep away from children Adopt manual Handling Practices

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

DODECYL DIPROPYLENETRIAMINE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	2.35mg/m ³	Workers	Systemic
DNEL	Dermal	0.91mg/kgbw/day	Workers	Systemic
DNEL	Inhalation	0.7mg/m ³	Consumers	Systemic
DNEL	Dermal	0.54mg/kgbw/day	Consumers	Systemic
DNEL	Oral	0.2mg/kgbw/day	Consumers	Systemic
PNEC	Fresh water	0.001mg/l	-	-

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PNEC	Marine water	0.0001mg/l	-	-
PNEC	Fresh water sediments	8.5mg/kg dw	-	-
PNEC	Marine sediments	0.85mg/kg dw	-	-
PNEC	Soil (agricultural)	45.34mg/kg dw	-	-
PNEC	Microorganisms in sewage treatment	1.33mg/l	-	-
PNEC	Intermittent water	0.00015mg/l	-	-

8.2. Exposure controls

Engineering measures: Not applicable.

Respiratory protection: Not applicable.

Hand protection: Product impregnated onto non woven fabric therefore significantly reducing exposure
Not applicable.

Eye protection: Product absorbed onto non woven fabric therefore significantly reducing eye
contamination potential.

Skin protection: Absorbed onto non woven fabric therefore significantly limiting contamination potential

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: No data available.

Viscosity: No data available.

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: No data available.

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: No data available.

pH: 10-11

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

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10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Freezing

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DODECYL DIPROPYLENETRIAMINE

ORAL	RAT	LD50	50-300	mg/kg
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Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Though unlikely symptoms should be mild. If concerned get medical advice

Eye contact: If symptoms persist or are concerned get medical advice.

Ingestion: Based on available data classification criteria are not met

Inhalation: Based on available data the hazard criteria are not met

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

DODECYL DIPROPYLENETRIAMINE

ALGAE	48H EC50	0.01-0.1	mg/l
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Daphnia magna	48H EC50	0.01-0.1	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	0.1-1	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not applicable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not applicable.

12.4. Mobility in soil

Mobility: Not applicable.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Not applicable.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H301: Toxic if swallowed.

H314: Causes severe skin burns and eye damage.

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H319: Causes serious eye irritation.

H373: May cause damage to organs
through prolonged or repeated exposure

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.