

**Zonitise Surface Antimicrobial****Safety Data Sheet**

Prepared in accordance with Annex II of the REACH Regulation (EC) 1907/2006,  
Regulation (EC) 1272/2008 and Regulation (EU) 830/2015

<b>SECTION 1 Identification of the substance/mixture and of the company/undertaking</b>	
<b>1.1 Product identifier:</b>	Zonitise Surface Antimicrobial
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against:</b>	
<b>Relevant identified uses:</b>	Biocide
<b>Uses advised against:</b>	Not applicable
<b>1.3 Details of the supplier of the SDS:</b>	
<b>Supplier name:</b>	Zonitise Ltd
<b>Supplier address:</b>	Regents House, 42 Pinbush Road, South Lowestoft Ind Estate, Lowestoft, NR33 7NL
<b>Supplier telephone number:</b>	0330 700 60 60
<b>Supplier email address:</b>	enquiries@zonitise.com
<b>1.4 Emergency telephone number:</b>	NHS Direct 0845 46 47
<b>Opening hours:</b>	24 hours/7 hours
<b>Language:</b>	English

<b>SECTION 2 Hazards identification</b>	
<b>2.1 Classification of the substance/ mixture</b>	
Classification according to Regulation (EC) No 1272/2008 (CLP):	
Not classified	
<b>2.2 Label elements:</b>	
Labelling according to Regulation (EC) No 1272/2008 (CLP):	
Hazard pictograms:	None
Signal word:	None
Hazard statements:	None
Precautionary statements:	None
Supplemental Hazard information:	Not applicable.

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Special rules for  
supplemental label  
elements for certain  
mixtures:  
Additional labelling:

**2.3 Other hazards**

A PBT or vPvB assessment has not been carried out according to current EU criteria.

**SECTION 3 Composition/information on ingredients**

**3.1 Substance:** Not applicable

**3.2 Mixture**

Identification	CAS Number	EC Number	Concentration (% w/w)	Classification according to regulation 1272/2008 (CLP)
Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride	27668-52-6	248-595-8	<1	Eye Irrit. 2; H319

\*Specific concentration limits:

STOT SE 1; H370:  $C \geq 10\%$

STOT SE 2; H371:  $3\% \leq C < 10\%$

For the full text of the H hazard statements mentioned in this chapter, see section 16.

**SECTION 4 FIRST AID MEASURES****4.1 Description of first aid measures:**

**General advice:** Use first aid treatment according to the nature of the injury. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt, seek medical advice.

**Following inhalation:** Remove victim to fresh air. Give oxygen and seek medical help if breathing is difficult.

**Following skin contact:** Wash off immediately with plenty of soap and water. Remove contaminated clothes and shoes. If irritation persists, seek medical attention.

**Following eye contact:** Remove contact lenses if victim is wearing them and if they can be easily removed. Rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

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<p>Following ingestion:</p> <p>Protection of first-aiders:</p>	<p>Wash out mouth with plenty of water. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical help immediately.</p> <p>Avoid contact with eyes. Use personal protection recommended in Section 8.</p> <p style="text-align: center;">See Section 11: TOXICOLOGICAL INFORMATION</p>
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<p><b>4.2 Most important symptoms and effects, both acute and delayed:</b></p> <p>Symptoms</p> <p>Effects</p> <p><b>4.3 Indication of any immediate medical attention and special treatment needed:</b></p>	<p>May cause eye irritation.</p> <p>Notes to physician: Treat symptomatically.</p>
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## SECTION 5 FIRE FIGHTING MEASURES

<p><b>5.1 Extinguishing media:</b></p> <p>Suitable extinguishing media:</p> <p>Unsuitable extinguishing media:</p> <p><b>5.2 Special hazards arising from the substance or mixture:</b></p> <p>Hazardous combustion products:</p> <p><b>5.3 Advice for firefighters:</b></p>	<p>Water spray, carbon dioxide (CO<sub>2</sub>), foam, dry chemicals.</p> <p>Use extinguishing measures that are appropriate to the surrounding environment.</p> <p>-</p> <p>Exposure to decomposition products may pose health risks. Do not inhale the smoke. In the event of a fire, carbon dioxide (CO<sub>2</sub>) and carbon monoxide (CO) may form.</p> <p>Wear self-contained breathing apparatus and full protective gear.</p>
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<b>SECTION 6 ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Employ good industrial hygiene practice. Use personal protective equipment, avoid contact with eyes.
<b>6.2 Environmental precautions:</b>	See Section 12 for additional Ecological Information.
<b>6.3 Methods and material for containment and cleaning up:</b>	Collect product with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contain material by diking the area around the spill.
<b>6.4 Reference to other sections:</b>	See Section 12 for additional Ecological Information.

<b>SECTION 7 HANDLING AND STORAGE</b>	
<b>7.1 Precautions for safe handling:</b>	Employ good industrial hygiene practice. Wash hands thoroughly after handling.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	Store unopened in a cool, dry place.
<b>7.3 Specific end use(s):</b>	Not applicable

<b>SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION</b>													
<b>8.1 Control parameters:</b>													
Exposure Limits:	<u>Methanol (CAS 67-56-1)</u>												
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="padding: 5px;">Limit value – eight hours</th> <th colspan="2" style="padding: 5px;">Limit value – short term</th> </tr> <tr> <th style="padding: 5px;">ppm</th> <th style="padding: 5px;">mg/m<sup>3</sup></th> <th style="padding: 5px;">ppm</th> <th style="padding: 5px;">mg/m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">200</td> <td style="text-align: center; padding: 5px;">266</td> <td style="text-align: center; padding: 5px;">250</td> <td style="text-align: center; padding: 5px;">333</td> </tr> </tbody> </table>		Limit value – eight hours		Limit value – short term		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	200	266	250	333
Limit value – eight hours		Limit value – short term											
ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>										
200	266	250	333										
<b>8.2 Exposure controls:</b>													
<b>8.2.1 Appropriate engineering controls:</b>	Ensure adequate ventilation, especially in confined areas. Ensure hand and eye washing facilities are available.												
<b>8.2.2 Personal protection equipment:</b>	Avoid contact with eyes – splash-proof safety glasses are recommended. Avoid prolonged contact with skin – rubber or latex gloves are recommended if handling large quantities. Avoid breathing vapours or mists – no specific PPE recommendations.												
<b>8.2.3 Environmental Exposure Controls</b>	Avoid release to drains, soil, ground, and surface water.												

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties:**

Appearance (colour, physical form, shape)	Clear light straw liquid
Odour	Mild
Odour threshold	Not available
pH	3.5 - 6.0
Melting point / freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	> 93°C
Evaporation rate	Not available
Flammability	Not available
Upper / lower flammability or explosive limits	Not available
Vapour pressure	Not applicable
Vapour density	Not available
Relative density	1.000-1.050
Solubility	Soluble in water
Partition coefficient: n-octanol / water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity (at 20°C)	Not available
Explosive properties	Not available
Oxidising properties	Not available

**9.2 Other information:**

Surface tension	Not available
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**SECTION 10 STABILITY AND REACTIVITY**

<b>10.1 Reactivity:</b>	No reactivity is expected under normal, recommended storage and handling conditions (see section 7).
<b>10.2 Chemical stability:</b>	Stable under normal, recommended storage and handling conditions (see section 7).
<b>10.3 Possibility of hazardous reactions:</b>	Under normal conditions, no special dangerous reactions.
<b>10.4 Conditions to avoid:</b>	Avoid high temperatures, sparks, flames and ignition sources.
<b>10.5 Incompatible materials:</b>	None known.
<b>10.6 Hazardous decomposition products:</b>	Oxides of nitrogen and carbon may form.

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**SECTION 11 TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects:**

Data on product not available.

Acute oral (LD50 values): Data on product not available. Not classified for acute oral toxicity according to the Regulation (EC) No 1272/2008 (CLP).

Acute dermal (LD50 values): Data on product not available. Not classified for acute dermal toxicity according to the Regulation (EC) No 1272/2008 (CLP).

Acute inhalation (LD50 values): Data on product not available. Not classified for acute inhalation toxicity according to the Regulation (EC) No 1272/2008 (CLP).

Skin corrosion/irritation: Data on product not available. Not classified for skin irritation according to the Regulation (EC) No 1272/2008 (CLP).

Serious eye damage/irritation: Data on product not available. Not classified for eye irritation according to the Regulation (EC) No 1272/2008 (CLP).

Respiratory or skin sensitisation: Data on product not available. Not classified for respiratory or skin sensitisation according to the Regulation (EC) No 1272/2008 (CLP).

Germ cell mutagenicity: Data on product not available. Not classified for germ cell mutagenicity according to the Regulation (EC) No 1272/2008 (CLP).

Carcinogenicity: Data on product not available. Not classified according to the Regulation (EC) No 1272/2008 (CLP).

Reproductive toxicity: Data on product not available. Not classified for reproductive toxicity according to the Regulation (EC) No 1272/2008 (CLP).

STOT-single exposure: Data on product not available. Not classified for STOT-single exposure according to the Regulation (EC) No 1272/2008 (CLP).

STOT-repeated exposure: Data on product not available. Not classified for STOT-repeated exposure according to the Regulation (EC) No 1272/2008 (CLP).

Aspiration hazard: Data on product not available. Not classified for aspiration hazard according to the Regulation (EC) No 1272/2008 (CLP).

**SECTION 12 ECOLOGICAL INFORMATION**

Ecotoxicity: Data on product not available. Product not classified according to the Regulation (EC) No 1272/2008 (CLP).

Persistence and degradability: Data on product is not available.

Bioaccumulative potential: Data on product is not available.

Mobility in soil: Not applicable

Results of PBT and vPvB assessment: A PBT or vPvB assessment has not been carried out according to current EU criteria.

Other adverse effects: Not applicable

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**SECTION 13 DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods:**

- |   |   |
|---|---|
| <b>13.1.1 Product / Packaging disposal</b>          | Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. |
| <b>13.1.2 Waste treatment-relevant information:</b> | Not applicable  |

**SECTION 14 TRANSPORT INFORMATION**

- |   |                |
|---|----------------|
| <b>14.1 UN number:</b>  | Not applicable |
| <b>14.2 UN proper shipping name:</b>  | Not applicable |
| <b>14.3 Transport hazard class(es):</b>   | Not applicable |
| <b>14.4 Packing group:</b>  | Not applicable |
| <b>14.5 Environmental hazards:</b>  | Not applicable |
| <b>14.6 Transport in bulk according to Annex II of MARPOL 73/78 and IBC code:</b> | Not applicable |
| <b>14.7 Special precautions for user:</b>   | Not required.  |

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<b>SECTION 15 REGULATORY INFORMATION</b>	
<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>	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). 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.
<b>15.1.1 National regulations:</b>	None known
<b>15.2 Chemical Safety Assessment:</b>	Not applicable.

<b>SECTION 16 OTHER INFORMATION</b>
<p><b>Full text of the H-statements and precautionary statements mentioned in sections 2 and 3.</b></p> <p>H225 : Highly flammable liquid and vapour. H301 : Toxic if swallowed. H311 : Toxic in contact with skin. H331 : Toxic if inhaled. H319 : Causes serious eye irritation. H370 : Causes damage to organs.</p> <p><b>Date of Issue: 30 October 2020</b> <b>Version: 1</b></p>