

SAFETY DATA SHEET

Zonitise Disinfect - End User

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Compilation date: 09/06/2020

Revision No: 1

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

1.1. Product identifier

Product name: ZONITISE DISINFECT

Synonyms: HYPOCHLOROUS ACID SOLUTION (END-USER)

THIS DOCUMENT IS INTENDED FOR USE BY END USERS OF SMALL PACKED QUANTITIES

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

1.3. Details of the supplier of the safety data sheet

Use of substance / mixture: PC8: Biocidal products (e.g. Disinfectants, pest control). Biocides. Disinfectant.

Company name: Zonitise Ltd

Regent House

Lowestoft

Suffolk

NR33 7NL

United Kingdom

Tel: 0330 700 6060 (09:00 - 17:00 Mon-Fri)

Fax: NA

Email: enquiries@zonitise.com

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Emergency tel: 07848 452829 (Out of Hours)

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

2.3. Other hazards

Label elements: This product has no label elements.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

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Non-classified ingredients:

EQUILIBRIUM MIXTURE OF SODIUM HYPOCHLORITE & HYPOCHLOROUS ACID

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	-	-	-	<1%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: No action required unless redness or irritation develops. If irritation develops or persists seek medical attention.

Eye contact: Rinse eyes with clean, cold water. May cause redness to eyes, if irritation develops seek medical advice.

Ingestion: Wash out mouth with water. Do not induce vomiting. If irritation develops or persists seek medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of mists. If symptoms develop seek medical attention.

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

Skin contact: The product is formulated to be at or near to physiological pH therefore no adverse effects are expected other than in case of an allergic reaction.

Eye contact: There may be irritation and redness. The eyes may water profusely. Repeated exposure may cause chronic eye irritation.

Ingestion: May cause mild irritation of the gastrointestinal tract if large quantities are ingested. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

Inhalation: Not applicable under normal conditions of use. May cause irritation of the mucous membranes and respiratory system. Prolonged inhalation of mists may cause lung inflammation.

Delayed / immediate effects: As the product is formulated to be at or near to physiological pH there should not be any negative effects or symptoms other than in the case of an allergic reaction.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance. No special requirements. The product is formulated to be stabilised to a physiologically neutral pH and therefore should not require any specific treatment other than in cases of an allergic reaction.

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.

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: The product does not support combustion. Product has the potential to liberate chlorine gas when heated, however levels likely to be generated are considered to be very low.

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.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid mixing with other cleaning & disinfection products, and any materials listed within section 10.

6.2. Environmental precautions

Environmental precautions: Avoid the discharge of large quantities to drains, rivers and watercourses.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Due to relatively small package size, the clean up process is the same as with any other small liquid spillage.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid contact with eyes and breathing mists. Avoid the formation and/or spread of aerosols or mists in confined spaces, and where this is not possible consider the need for appropriate ventilation. In applications where the creation of aerosols & mists in an enclosed area is unavoidable, allow droplets to settle before re-entering the area without the use of suitable respiratory protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Avoid exposure to sources of heat greater than 40 ° C. Where possible avoid extended exposure to direct sunlight. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Plastic. Plastic-lined. Glass. Do not use steel containers. Do not use aluminium containers.

7.3. Specific end use(s)

Specific end use(s): No special requirement.

Section 8: Exposure controls/personal protection

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8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	See Section 16	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: No specific measures or controls are likely to be required. Where the application requires the creation of aerosols or mists is it advisable to ventilate the area prior to reuse.

Respiratory protection: Not normally required under normal conditions of use. Wear suitable respiratory protection when aerosols or mist are present.

Hand protection: The product is formulated & packaged for use as a hand disinfectant therefore hand protection is not required.

Eye protection: Eye protection should not be required under normal conditions of use. Eye protection is advisable when accessing enclosed areas containing aerosols or mists.

Skin protection: Protective clothing is not required under normal conditions of use.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless to almost colourless.

Odour: Barely perceptible odour

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible in all proportions

Viscosity: Non-viscous

Boiling point/range°C: ~100

Melting point/range°C: ~-5

Flash point°C: >93

Vapour pressure: 17.5 mmHg @ 0oC

Relative density: ~ 1.00 g/ml @ 20oC

pH: Approx. 7

9.2. Other information

Section 10: Stability and reactivity

Other information: Product is not flammable. No further information available at this time.

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10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Product will naturally degrade with time. Exposure to heat and light will accelerate the decomposition rate.

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: Direct sunlight. Heat. Hot surfaces. Electrical current.

10.5. Incompatible materials

Materials to avoid: Contact with the following materials will accelerate the products decomposition. Acids. Bases. Metals. Aluminium. Stainless steel Organic materials.

10.6. Hazardous decomposition products

Haz. decomp. products: Product has the potential to liberate chlorine gas when heated, however levels likely to be generated are considered to be very low.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: The product is formulated to be at or near to physiological pH therefore no adverse effects are expected other than in case of an allergic reaction.

Eye contact: There may be irritation and redness. The eyes may water profusely. Repeated exposure may cause chronic eye irritation.

Ingestion: May cause mild irritation of the gastrointestinal tract if large quantities are ingested. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

Inhalation: Not applicable under normal conditions of use. May cause irritation of the mucous membranes and respiratory system. Prolonged inhalation of mists may cause lung inflammation.

Delayed / immediate effects: As the product is formulated to be at or near to physiological pH there should not be any negative effects or symptoms other than in the case of an allergic reaction.

Other information: There is no further information at this time.

Section 12: Ecological information

[cont...]

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12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: The product is inorganic so can not be biodegradable, however it is expected to degrade or disassociate.

12.3. Bioaccumulative potential

Bioaccumulative potential: Product is not expected to bioaccumulate.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Mobility: Non-volatile. Soluble in water.

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

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Other adverse effects: Small spillages will have a negligible effect upon the environment.

Disposal operations: Dispose of in the same manner as other cleaning & disinfectant products, however small quantities will not have any significant effect upon the local or wider environment.

Recovery operations: No significant opportunity for recovery available with the product.

Disposal of packaging: Clean with water. May be reused following decontamination. Dispose of as normal industrial waste.

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: This products useage may be controlled under BPR (Biocidal Products Regulation (EC) No. 528/2012).

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

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Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

This document has been written with the end user of small packed quantities in mind where the risk of personal & environmental exposure is limited in comparison with bulkier volumes & more industrial applications.

There are no levels set for this product thus normal standards of industrial hygiene should be observed.

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.