

SAFETY DATA SHEET

Based upon Directive 2001/58/EC of the Commission of the European Communities

Ziegra sanitiser

1. Identification of the substance/preparation and of the company / undertaking

1.1 Identification of the substance or preparation:

Synonyms: Stabilised hydrogen peroxide

1.2 Use of the substance or preparation:

Disinfectant

1.3 Company / Undertaking identification:

Ziegra Ice Machines UK Ltd
Unit 2, Phoenix Court, Hammond Avenue
Stockport, SK4 1PQ

Tel: 0161 429 0525

Fax: 0161 480 7927

1.4 Telephone number for emergency:

01704 516 916

2. Composition / information on ingredients

Stabilised hydrogen peroxide

Hazardous Ingredients	CAS No. EINECS No.	Conc.	Hazard Symbol	Risks (R – Phrases)
Hydrogen peroxide	007722-84-1 231-765-0	3%	C, O	8-34 ⁽¹⁾
Silver nitrate	7761-88-8 231-853-9	16 – 19mg/l	C, N	34-50/53

(1) For R phrases in full: see item 16

3. Hazards identification

None

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4. First aid measures

- 4.1 General advice:**
Show this safety data sheet and instruction on leaflet to the physician in attendance
- 4.2 Eye contact:**
With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes. In case of lasting pain or discomfort consult an oculist.
- 4.3 Skin contact:**
Wash off immediately with plenty of water.
- 4.4 After inhalation:**
N.A.
- 4.5 After ingestion:**
Drink some water
Do not induce vomiting
Sit patient upright to release excess oxygen from stomach
Do not administrate bicarbonates (salt solutions)
- 4.6 Advice for medical staff:**
Patient could vomit spontaneously
Do not use a stomach pump
Administer drinking water without bicarbonates or salts

5. Fire fighting measures

- 5.1 Suitable extinguishing media:**
All types of media can be used
- 5.2 Unsuitable extinguishing media:**
N.A.
- 5.3 Special exposure hazards:**
N.A.
- 5.4 Instructions:**
Keep untrained persons away
- 5.5 Special protective equipment:**
N.A.

6. Accidental release measures

- 6.1 Personal protection / precautions:**
See heading 8.1/ 8.3/ 10.3
- 6.2 Environmental precautions:**
Dilute product with water

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6.3 Methods of cleaning up spill areas:
Clean contaminated areas with copious amounts of water

6.4 Additional information:
Never return spilt product to the original container

7. Handling and storage

7.1 Handling:
The usual precautionary measures for dealing with chemicals should be observed
Never return spilt product to the original container
Avoid contact with eyes, skin and clothing

7.2 Storage:
REQUIREMENTS FOR CONTAINERS
Only use containers designed for holding hydrogen peroxide
Suitable materials include; stainless steel, certain aluminium / magnesium alloys and HDPE
Use adequate venting devices on all containers

7.3 Specific uses:
See information supplied by manufacturer

8. Exposure controls / Personal protection

8.1 Exposure limit values:
Hydrogen peroxide

MAK (D) : 1 ml/m³ (ppm) = 1,4 mg/m³
TLV (USA) : 1 ml/m³ (ppm) = 1,4 mg/m³

8.2 Exposure controls:

8.2.1 Occupational exposure controls:
The usual precautionary measures for dealing with chemicals should be observed
Avoid contact with skin, eyes and clothing

8.2.2. Environmental exposure controls:
See heading 13

8.3 Personal protection:

8.3.1 Respiratory protection:
N.A.

8.3.2 Hand protection:
N.A.

8.3.3. Eye protection:
N.A.

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8.3.3 Skin protection:

N.A.

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C) : liquid
Odour : odourless
Colour : colourless

9.2 Important health, safety and environmental information:

pH value (20°C) : 6
Boiling point/ range : 101°C
Melting point / range : -2°C
Decomposition point : N.A.
Flashpoint : incombustible
Explosion limits : N.A.
Auto – ignition point : incombustible
Vapour pressure : N.D.
Relative density (20°C) : 1.009 g/cm³
Water solubility : complete
Soluble in : N.D.
Relative vapour density : N.D.
Viscosity (0°C) : 1.77 mPa.s
Partition coefficient n – octanol : N.D.

10. Stability and reactivity

10.1 Conditions to avoid / reactivity:

Release of oxygen in contact with impurities, decomposition catalysts and incompatible substances.

10.2 Materials to avoid:

Impurities, metal ions, metallic salts, metals, alkalis, reducing agents and combustible substances.

10.3 Hazardous decomposition products:

None

11. Toxicological information

11.1 Acute toxicity:

N.D.

11.2 Irritation tests:

N.D.

11.3 Routes of exposure:

Ingestion, inhalation, eye and skin

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- 11.4 Acute effects/ symptoms:**
AFTER INHALATION
Inhalation of aerosols (undiluted) can cause irritation in throat and upper airways
AFTER INGESTION
Vomiting, stomach ache and diarrhoea
AFTER SKIN CONTACT
At prolonged exposure time, slight irritation can occur
AFTER EYE CONTACT
N.D.
- 11.5 Chronic effects:**
N.D.

12. Ecological information

- 12.1 Ecotoxicity:**
N.D.
- 12.2 Mobility:**
N.D.
- 12.3 Persistence and degradability:**
(according to NF T 73-260)
The product is biodegradable by adsorption of the stabiliser to active silt and by decomposition of the hydrogen peroxide in water and oxygen
- 12.4 Bioaccumulative potential:**
N.D.
- 12.5 Other adverse effects:**
N.D.

13. Disposal considerations

- 13.1 Provisions relating to waste:**
N.D.
- 13.2 Disposal methods:**
May be disposed of as sewage water in accordance with local legal regulations by previously diluting with plenty of water (drainage systems, waste water treatment plant)
- 13.3 Packaging:**
After use, close empty containers or drums
Do not rinse
Contact supplier for cleaning and recycling

14. Transport information

The product does not fall under the transport regulations for dangerous goods

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15. Regulatory information

Hazard symbols: None

R – phrases: None

S – phrases:

S2 : Keep out of reach of children
S13 : Keep away from food, drink and animal feedstuffs
S20/21 : When using, do not eat, drink or smoke
S26 : In case of contact with eyes, rinse immediately with water
S46 : If swallowed, seek medical advice immediately

16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = Not applicable

N.D. = Not determined

Full text of any R – phrases referred to under heading 2:

R8 : Contact with combustible material may cause fire
R34 : Causes burns
R50/53 : Very toxic to aquatic organisms, may cause long term adverse effects in aquatic environment

Exposure limits:

TLV Threshold Limit Value – ACGIH US 2002
OES Occupational Exposure Standards – United Kingdom 2001
MEL Maximum Exposure Limits – United Kingdom 2001
MAK Maximale Arbeitsplatzkonzentrationen – Germany 2001
TRK Technische Richtkonzentrationen – Germany 2001
MAC Maximale aanvaarde concentratie – The Netherlands 2002
VME Valeurs limites de Moyenne d'Exposition – France 1999
VLE Valeurs limites d'Exposition a court terme – France 1999
GWBB Grenswaarde beroepsmatige blootstelling – Belgium 2002
GWK Grenswaarde kortstondige blootstelling – Belgium 2002
EG Indicative occupational exposure limit values – guideline 2000/39/EG

Chronic toxicity:

K List of carcinogenic substances and processes – The Netherlands 2002