



Safety Datasheet

Revision date: 08/02/2021

01 PRODUCT IDENTIFICATION

Trade Name: STERISPRAY

Product type: Liquid

PRODUCT USE DESCRIPTION: INDUSTRIAL USES: Uses of substances as such or in preparations at Industrial sites; (PC35) Washing and cleaning products. Detergent sanitiser for use in the food industry

02 COMPANY INFORMATION

Manufacturers Name: V-Worx (Pty) Ltd

Address: Cosmo Business Park, Unit 66, Cosmo City, Johannesburg

Telephone Number: 010 446 9891

Fax: 086 687 2549

e-Mail: info@v-worx.co.za

Website: www.v-worx.co.za

03 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

- 2.1.1 Classification (67/548/EEC) XI R36/38
- 2.1.2 Classification -EC 1272/2008 Skin Irrit2.-H315. Eye Dam.1-H318

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04 HAZARD IDENTIFICATION

2.2 Label elements

- Hazard pictograms: (Relevant pictograms should be included here as they cannot be represented in text)
- Signal Word: Danger
- Hazard Statement: Skin Irrit. 2: H315-Causes skin irritation Eye Dam.1: H318-Causes serious eye damage
- Precautionary Statement: P102-Keep out of reach of children P280-Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331-IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352-IF ON SKIN: Wash with plenty of water P332+P313-If skin irritation occurs. Get medical advice/attention. 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

2.3 Other hazards

- This product does not contain any PBT or vPvB substances
- Supplemental label information: Contains Alkyl Dimethyl Benzyl Ammonium Chloride/Potassium Hydroxide

05 FIRST AID MEASURES

Causes skin irritation if contact prolonged.

Eye contact: Contact with liquid can cause eye damage

4.3 Indication of any immediate medical attention and special treatment needed: Treat Symptomatically

05 FIREFIGHTING MEASURES

5.1 Extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate to surrounding materials

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05 FIREFIGHTING MEASURES

- 5.2 Special hazards arising from the substance or mixture: When heated and in case of fire, harmful vapours/gases may be formed
- 5.3 Advice for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

06 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
- 6.2 Environmental precautions: Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate body.
- 6.3 Methods and material for containment and cleaning up: Small quantities may be flushed to drains with plenty of water. Large spillages absorb in vermiculite, dry sand or earth and place into containers for disposal. Flush with plenty of water to clean spillage area.
- 6.4 Reference to other sections: For personal protection see section 8. Collect and dispose of spillage as indicated in section 13

07 HANDLING AND STORAGE

7.1 Precautions for safe handling: For handling undiluted product wear suitable protective clothing, gloves and eye/face protection

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08 HANDLING AND STORING STORAGE:

7.2 Conditions for safe storage, including any incompatibilities: Store in tightly closed original container in a dry, cool and well-ventilated area. Keep away from Oxidising materials

7.3 Specific end use(s): The identified uses for this product are detailed in section 1.2

09 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

- Name: Potassium Hydroxide, STD: WEL 15-minute limit 2 mg/m^3
- WEL Workplace exposure limit

8.2 Exposure controls

- 8.2.1 Appropriate engineering controls: Ensure adequate ventilation of the working area.
- 8.2.2 Individual Protection Measures
 - Eye / face protection: Approved safety goggles or face shield
 - Hand protection: Wear Protective rubber gloves
 - Respiratory protection: Respiratory protection not required

10 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- State: Liquid
- Colour: Pink
- Odour: Slight

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10 PHYSICAL AND CHEMICAL PROPERTIES

Solubility: Soluble in water

pH-value: 13

Flash point: Boils without flashing

Relative density: 1.08 - 1.12 (water = 1 @ 20 C)

11 STABILITY AND REACTIVITY

10.1 Reactivity

- There are no known reactivity hazards associated with this product

10.2 Chemical stability

- Stable under normal temperature conditions

10.3 Possibility of hazardous reactions

- Not determined

10.4 Conditions to avoid

- There are no known conditions that are likely to result in a hazardous situation

10.5 Incompatible materials

- No specific material or group of materials likely to react with the product to produce a hazardous situation

10.6 Hazardous decomposition products

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

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12 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.4 Toxicological Information

- Betaines, C12-14 Alkyldimethyl: Oral rat LD50 2000mg/kg
- Alkyl Dimethyl Benzene Ammonium Chloride: Oral rat LD50 200-2000 mg/kg
- Potassium Hydroxide: Oral rat LD50>333 mg/kg

13 ECOLOGICAL INFORMATION

Ecotoxicity: Not regarded as dangerous for the environment

12.1 Toxicity:

- Alkyl Dimethyl Benzene Ammonium Chloride Fish LC50/96h: 0.01-0.1 mg/l
- Potassium Hydroxide Fish LC50/96h: 44 mg/l
- Daphnia EC50/48h: 40-240 mg/l

12.2 Persistence and degradability: The surfactant(s) contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No 684/2004 on detergents.

12.3 Bioaccumulative potential: Not expected to be bioaccumulating

12.4 Mobility in soil: Not Determined

12.5 Results of PBT and vPvB assessment: This product does not contain any PBT or vPvB substances

12.6 Other adverse effects: Not known



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14 DISPOSAL CONSIDERATIONS

General information: Dispose of in compliance with all local and national regulations.

13.1 Waste treatment methods: Discharge used solutions to drain. Less than 5 litres of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor

15 TRANSPORT INFORMATION

- **14.1 UN number:**
- **UN No (ADR/RID/AND):** 3266
- **UN No (IMDG):** 3266
- **UN No (ICAO):** 3266
- **14.2 UN proper shipping name:** Proper shipping name: Corrosive liquid, basic, inorganic N.O.S (Contains potassium hydroxide)
- **14.3 Transport hazard class(es):**
- **ADR/RID/AND Class: Class 8:** Corrosive substances
- **IMDG Class: Class 8:** Corrosive substances
- **ICAO Class/Division: Class 8:** Corrosive substances
- **Transport labels:**
- **14.4 Packing group**
 - **ADR/RID/AND Packing group:** III
 - **IMDG Packing group:** III
 - **ICAO Packing group:** III

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16 DISPOSAL CONSIDERATIONS

14.5 Environmental hazards

- Environmentally Hazardous Substance/Marine Pollutant: NO

14.6 Special precautions for user

- EMS: F-A, S-B
- Tunnel Restriction Code: (E)

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not relevant for packed product

17 REGULATORY INFORMATION

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

- Safety data sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures. Ingredients are listed with classification under both CHIP-Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP - Regulations (EC) no 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2 Chemical Safety Assessment

- Not applicable this product is a mixture

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16 OTHER INFORMATION

Other information

- The Risk phrases / hazard statements listed below in this section No 16 relate to the Raw Materials (ingredients) in the product (as listed in section 3) and NOT the product itself. For the risk phrases/ hazard statements relating to this product see section 2.

Text of risk phrases in section 3

- R21/22: Harmful in contact with skin and if swallowed
- R22: Harmful if swallowed
- R34: Causes Burns
- R35: Causes severe burns
- R38: Irritating to skin
- R41: Risk of serious damage to eyes
- R50: Very toxic to aquatic life.
- H290: May be corrosive to metals
- H302: Harmful if swallowed
- H312: Harmful in contact with skin
- H314: Causes severe skin burns and eye damage
- H315: Causes skin irritation
- H318: Causes serious eye damage
- H400: Very toxic to aquatic life
- Further information
- The information supplied in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication; however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.