



Companion in Hygiene Solutions

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

4X Concentrated Cleaner Sanitiser

Revision: 1
Revision date: 01/07/2020

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

1.1 Product identifier

Product name 4X Concentrated Cleaner Sanitiser

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

Product Use [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);

1.3 Details of the supplier of the safety data sheet

Company Ionic Products Ltd
Address Blaris Industrial Estate, Altona Road, Lisburn, Co Antrim
BT27 5QB
United Kingdom
Web www.ionicproductsltd.com
Telephone 028 9267 3331
Email: Info@ionicproductsltd.com

1.4 Emergency telephone number

Emergency telephone number 028 9267 3331. In the event of a medical enquiry involving this product, please contact your GP or local A&E dept.
Ireland: National Poisons Centre, Beaumont Hospital, Dublin 9
Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)
Tel: 01 809 2566 (health care professionals)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.2 Classification - EC 1272/2008 Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 1: H410;

2.2 Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Skin Irrit. 2: H315 - Causes skin irritation.
Eye Dam. 1: H318 - Causes serious eye damage.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statement: Prevention

P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response

P302+P352 - IF ON SKIN: Wash with plenty of water/ .
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor/ .
P391 - Collect spillage.

Precautionary Statement: Disposal

P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

SECTION 3: Composition/information on ingredients**3.2 Mixtures****EC 1272/2008**

| Chemical name | Index No. | CAS No. | EC No. | REACH registration Number | Conc (%w/w) | Classification |
|--|--------------|------------|-----------|---------------------------|-------------|---|
| Alcohols, C12-14 (Even numbered), ethoxylated (*R01) | | 68002-97-1 | | | 1 - 10% | Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412; |
| 2-Aminoethanol | 603-030-00-8 | 141-43-5 | 205-483-3 | 01-2119486455-28 | 1 - 10% | Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Corr. 1B: H314; Acute Tox. 4: H332; STOT SE 3: H335; Aquatic Chronic 3: H412; |
| Alkyl (C12-16) dimethylbenzyl ammonium chloride (*R01) | | 68424-85-1 | 270-325-2 | | 1 - 10% | Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |

Further information

| | |
|--|---|
| | Active substance(s). Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16)). : 3.5g/100g. Didecyltrimethylammonium chloride (DDAC). : 0.5g/100g. |
|--|---|

SECTION 4: First aid measures**4.1 Description of first aid measures**

| | |
|---------------------|--|
| Inhalation | Move the exposed person to fresh air. Seek medical attention. |
| Eye contact | Causes serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor/ . |
| Skin contact | Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion | Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|---------------------|---|
| Inhalation | May cause irritation to respiratory system. |
| Eye contact | Causes serious eye damage. |
| Skin contact | Irritating to skin. |
| Ingestion | Irritant. |

4.3 Indication of any immediate medical attention and special treatment needed

| | |
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| | No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11. |
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

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| | Use extinguishing media appropriate to the surrounding fire conditions. |
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5.2 Special hazards arising from the substance or mixture

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| | Burning produces irritating, toxic and obnoxious fumes. |
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5.3 Advice for firefighters

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| | Wear suitable respiratory equipment when necessary. |
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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

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| | Ensure adequate ventilation of the working area. Wear suitable protective equipment. |
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6.2 Environmental precautions

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| | Do not allow product to enter drains. Prevent further spillage if safe. |
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6.3 Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. For incompatibilities refer to section 10.4.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Exposure Limit Values - UK

| | |
|----------------|--|
| 2-Aminoethanol | WEL 8-hr limit ppm: 1 |
| | WEL 15 min limit ppm: 3 |
| | WEL 8-hr limit mg/m ³ : 2.5 |
| | WEL 15 min limit mg/m ³ : 7.6 |

8.1.1 Occupational Exposure Limits Values (OELVs) - Ireland

| | | |
|----------------|--|--------------------------------|
| 2-Aminoethanol | Occupational Exposure Limit Value (8-hour reference period) | 1 ppm 2.5 mg/m ³ |
| | Occupational Exposure Limit Value (15-minute reference period) | 3 ppm 7.6 mg/m ³ |

DNEL: Derived no-effect level.



Exposure Pattern - Workers

| | | |
|----------------|---|-----------------------|
| 2-Aminoethanol | Long-term - inhalation - Systemic effects | 3.3 mg/m ³ |
| | Long-term - inhalation - Local effects | 3.3 mg/m ³ |
| | Long-term - oral - Systemic effects | 1 mg/kg |

Exposure Pattern - General population

| | | |
|----------------|---|---------------------|
| 2-Aminoethanol | Long-term - inhalation - Systemic effects | 2 mg/m ³ |
| | Long-term - inhalation - Local effects | 2 mg/m ³ |
| | Long-term - oral - Systemic effects | 3.75 mg/kg |
| | Long-term - dermal - Systemic effects | 0.24 mg/kg |

8.2 Exposure controls

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| 8.2.1 Appropriate engineering controls 8.2.2 Individual protection measures Eye / face protection Skin protection - Hand protection Respiratory protection |   |
| | Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Wash hands after handling the product. |
| | Ensure adequate ventilation of the working area. |
| | Use appropriate personal protective equipment. |
| | Safety glasses. (EN166) |
| | Chemical resistant gloves (PVC). (EN 374) |
| | Not normally required. Do not breathe gas/fumes/vapour/spray. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|----------------------------------|---------------------------|
| Appearance | Liquid |
| Colour | Purple |
| Odour | Characteristic |
| pH | 10.0 |
| Melting point | Not determined |
| Freezing Point | Not determined |
| Initial boiling point | Not determined |
| Flash point | Not determined |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | Not applicable to liquids |
| Fat Solubility | Not determined |
| Partition coefficient | Not determined |
| Autoignition temperature | Not determined |
| Viscosity | <100 cp @20°C |
| Explosive properties | Not explosive |
| Oxidising properties | Not oxidising |
| Solubility | Soluble in water |
| Vapour pressure | Not determined |

9.2 Other information

| | |
|-------------------------|----------------|
| Conductivity | Not determined |
| Surface tension | Not determined |
| Specific gravity | 1.01 g/cm³ |

SECTION 10: Stability and reactivity

10.1 Reactivity

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| | No reactivity hazards known under normal storage and use conditions. |
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10.2 Chemical stability

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| | Stable under normal conditions. |
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10.3 Possibility of hazardous reactions

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| | No other adverse effects known. |
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10.4 Conditions to avoid

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| | Avoid contact with: Acids. |
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

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| Skin corrosion/irritation | Irritating to skin. Causes serious eye damage. |
| Germ cell mutagenicity | No mutagenic effects reported. |
| Carcinogenicity | No carcinogenic effects reported. |
| Reproductive toxicity | No observed effect level. |

11.1.4 Toxicological Information

| | | |
|---|-----------------------------------|--------------------------------|
| Alcohols, C12-14 (Even numbered), ethoxylated (*R01) | Inhalation Rat LC50/15min: NDA | Dermal Rat LD50 NDA |
| | Oral Rat LD50: 100 mg/kg | Oral Mouse LD50: NDA |
| | Dermal Rabbit LD50: 2,000 mg/kg | Dermal Guinea Pig LD50 NDA |
| 2-Aminoethanol | Inhalation Rat LC50/1.3 mg/l h: 6 | Dermal Rat LD50 NDA |
| | Oral Rat LD50: 1515 mg/kg | Oral Mouse LD50: NDA |
| | Dermal Rabbit LD50: NDA | Dermal Guinea Pig LD50 NDA |
| Alkyl (C12-16) dimethylbenzyl ammonium chloride (*R01) | Inhalation Rat LC50/15min: NDA | Dermal Rat LD50 800-1420 mg/kg |
| | Oral Rat LD50: 240 - 400mg/kg | Oral Mouse LD50 NDA |
| | Dermal Rabbit LD50: NDA | Dermal Guinea Pig LD50: NDA |

SECTION 12: Ecological information

12.1 Toxicity

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| | Daphnia EC50/48h: NDA |
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| Alcohols, C12-14 (Even numbered), ethoxylated (*R01) | Fish LC50/96h: | NDA | |
| | Algae IC50/72h: | NDA | |
| 2-Aminoethanol | Daphnia EC50/48h: | 65.0000 mg/l | |
| | Fish LC50/96h: | 170 mg/l | |
| | Algae EC50/72h: | 22 mg/l | |
| Alkyl (C12-16) dimethylbenzyl ammonium chloride (*R01) | Daphnia EC50/48h: | 0.0200 mg/l | Daphnia LC50/48h: 0.02mg/l |
| | Green algae EC50/96h: | 0.06mg/l | |
| | Fish LC50/96h: | 1.2000 mg/l | |

12.2 Persistence and degradability

| | |
|--|---------------------------------------|
| | No data is available on this product. |
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12.3 Bioaccumulative potential

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

Partition coefficient

| | |
|--|---------------------------------------|
| | No data is available on this product. |
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12.4 Mobility in soil

| | |
|--|---------------------------------------|
| | No data is available on this product. |
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12.5 Results of PBT and vPvB assessment

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| | Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3. |
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12.6 Other adverse effects

| | |
|--|---------------------------------|
| | No other adverse effects known. |
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SECTION 13: Disposal considerations

General information

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| | Dispose of in compliance with all local and national regulations. |
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Disposal of packaging


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| | Dispose of in compliance with all local and national regulations. Empty containers can be cleaned with water. |
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Further information

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| | European Waste Catalogue: 20 01 29. |
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SECTION 14: Transport information

Hazard pictograms

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14.1 UN number

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| | UN3082 |
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14.2 UN proper shipping name

| | |
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| | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYL DIMETHYLBENZYL AMMONIUM CHLORIDE) |
|--|--|

14.3 Transport hazard class(es)

| | |
|-----------------|---|
| ADR/RID | 9 |
| Subsidiary risk | - |
| IMDG | 9 |
| Subsidiary risk | - |
| IATA | 9 |
| Subsidiary risk | - |

14.4 Packing group

| | |
|---------------|-----|
| Packing group | III |
|---------------|-----|

14.5 Environmental hazards

| | |
|-----------------------|-----|
| Environmental hazards | Yes |
| Marine pollutant | Yes |

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|--|--|
| ADR/RID | |
| Hazard ID | 90 |
| Tunnel Category | E |
| IMDG | |
| EmS Code | F-A-S-F |
| IATA | |
| Packing Instruction (Cargo) | 964 |
| Maximum quantity | 450L |
| Packing Instruction (Passenger) | 964 |
| Maximum quantity | 450L |
| SECTION 15: Regulatory information | |
| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture | |
| | <p>EU regulations:</p> <ul style="list-style-type: none"> • Regulation(EC)No.1907/2006 - REACH • Regulation(EC)No1272/2008 - CLP • Regulation(EC)No.648/2004 - Detergents regulation <p>Ingredients according to EC Detergents Regulation 648/2004 non-ionic surfactants 5% - < 15% cationic surfactants 0% - < 5%</p> |
| 15.2 Chemical safety assessment | |
| | A chemical safety assessment has not been carried out on the mixture. |
| SECTION 16: Other information | |
| Other information | |
| Revision | This document differs from the previous version in the following areas: |
| Acronyms | <p>Changes to sections 1, 3, 8, 9, 11, 12, 15</p> <p>LC: Lethal concentration.</p> <p>LD: Lethal dose.</p> <p>NDA - No data available.</p> <p>NOAEC: No observed adverse effect concentration.</p> <p>NOAEL: No observed adverse effect level.</p> <p>NOEC: No observed effect concentration.</p> <p>NOEL: No observed effect level.</p> <p>PBT: Persistent, bioaccumulative and toxic.</p> <p>SVHC. Substance of very high concern.</p> <p>vPvB. Very persistent and very bioaccumulative.</p> <p>*R01 - Polymer REACH number not available.</p> |
| Text of Hazard Statements in Section 3 | <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p> |
| Further information | |
| | <p>The information supplied in this Safety 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.</p> <p>Internal ref: F000079</p> |