


| SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING | | | |
|--|--|-------------------|------------------------------|
| 1.1 Product identifier | | | |
| Trade name (s) ChloroSan - Chlorine Releasing Tablets - 1.7g NaDCC with Detergent | | | |
| Substance name | Index Number | CAS number | REACH Registration No |
| Mixture | N/A | N/A | |
| Other means of identification Unique product Identification Code UFI code DYN6-7FDY-CV20-XR34 | | | |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | | | |
| Use of the Substance/Mixture | Chemical product for surface disinfection PT2. This product may be used as a Biocidal in accordance with EU Biocides Regulation 528/2012 (EU BPR) if the appropriate local authorisation/notification has been obtained, where applicable. Chlorine dioxide (CAS-No 10049-04-4) generated in situ from sodium chlorite by acidification and oxidation. | | |
| Exposure scenarios | There are no exposure scenarios currently available or required specifically for the product. | | |
| Uses advised against | This product is for use by professionals and trained personnel only. | | |
| 1.3 Details of the supplier of the safety data sheet | | | |
| Company Name and Address | Telephone | 01573 226901 | |
| Scotmas Limited | Fax | 01573 226026 | |
| Solomon Way, Pinnaclehill | Email Address of | | |
| Industrial Estate, Kelso, | Competent Person | sds@scotmas.com | |
| TD5 8AU, Scotland | Responsible for the SDS | | |
| 1.4 Emergency telephone number | | | |
| Scotmas 01573 226901 – Monday to Friday 09:00 to 17:00 | | | |

| SECTION 2: HAZARDS IDENTIFICATION | | |
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| 2.1 Classification of the substance or mixture | | |
| Classification according to Regulation (EC) No 1272/2008 | | |
| Physical and chemical hazards | N/A | |
| Human health Eye irritation, Category 2 Specific target organ - toxicity single exposure, Category 3, Respiratory system | H319: Causes serious eye irritation H335: May cause respiratory irritation | |
| Potential environmental effects Acute aquatic toxicity, Category 1 Chronic aquatic toxicity category 1 | H400: Very toxic to aquatic life H410: Very toxic to aquatic life with long-lasting effects | |
| Most important adverse effects | | |
| Human health | Irritating to eyes. Risk of serious damage to eyes. Specific target organ single exposure. Category 3. Respiratory system. See section 11 for toxicological information. | |
| Physical and chemical hazards | May give off toxic gas on contact with acids See section 9 for physiochemical information. | |
| Potential environmental effects | Very toxic to aquatic life with long-lasting effects. See section 12 for environmental information | |
| 2.2 Label elements | | |
| Labelling according to Regulation (EC) No 1272/2008 | | |
| Hazard Pictogram(s) |  | |
| Signal word(s) | Warning | |
| Hazard statement(s) | H319 H335 H410 | Causes serious eye irritation. May cause respiratory irritation Very toxic to aquatic life with long lasting effects |
| Precautionary statement(s) | | |
| Prevention | P273 P280 | Avoid release to the environment Wear eye protection/face protection |
| Response | P305+ P351+ P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Disposal | none | none |
| Other labelling information | | |
| | EUH031 | Contact with acid liberates toxic gas |
| Product AT USE DILUTION | | |
| Hazard statements | H412 | Harmful to aquatic life with long lasting effects |
| Precautionary statement(s) | | |
| Prevention | P273 | Avoid release to the environment |
| 2.3. Other hazards | | |
| | Mixing this product with acid or ammonia release chlorine gas. | |

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| | Do not mix with bleach or other chlorinated products. Does not contain any Endocrine disrupting substances. For Results of PBT and vPvB assessment see section 12.5 |
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SECTION 3: COMPOSITIONAL INFORMATION ON INGREDIENTS**3.2. Mixtures**

| Chemical Nature | | Solid | | |
|--|-----------------------|-------------------|---|--|
| Hazardous components | | Amount [%] | Classification (REGULATION (EC) No 1272/2008) | |
| | | | Hazard class / Hazard category | Hazard statements |
| Troclosene Sodium | | >=50 - <=100 | Ox Sol. 2 Acute Tox. Oral. 4 Eye Irrit.2 STOT SE3 Aquatic Acute. 1 Aquatic Chronic.1 | H272 H302 H319 H335 H400 H410 |
| Index No. | N/A | | | |
| CAS No. | 2893-78-9 | | | |
| EC No. | 220-767-7 | | | |
| REACH Registration No | 01-2119489371-33-0008 | | | |
| Adipic Acid | | >=20 - <25 | Eye irrit. 2 | H319 |
| Index No. | N/A | | | |
| CAS No. | 124-04-9 | | | |
| EC No. | 204-673--3 | | | |
| REACH Registration No | | | | |
| Sodium Carbonate | | >=5 - <10 | Eye Irrit.2 | H319 |
| Index No. | N/A | | | |
| CAS No. | 497-19-8 | | | |
| EC No. | 207-838-8 | | | |
| REACH Registration No | 01-2119485498-19 | | | |
| Sodium Dodecylbenzene Sulfonate | | >=1 - <2.5 | Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 | H302 H315 H318 |
| Index No. | N/A | | | |
| CAS No. | 25155-30-0 | | | |
| EC No. | 246-680-4 | | | |
| REACH Registration No | | | | |
| Product AT USE DILUTION | | | | |
| Hazardous components | | Amount [%] | Classification (REGULATION (EC) No 1272/2008) | |
| | | | Hazard class / Hazard category | Hazard statements |
| Troclosene Sodium | | >=0.5-<1 | Ox Sol. 2 Acute Tox. Oral. 4 Eye Irrit.2 STOT SE3 Aquatic Acute. 1 Aquatic Chronic.1 | H272 H302 H319 H335 H400 H410 |
| Index No | N/A | | | |
| CAS No. | 2893-78-9 | | | |
| EC No. | 220-767-7 | | | |
| REACH Registration No | 01-2119489371-33-0008 | | | |
| For the full text of the H-Statements mentioned in this Section, see Section 16. | | | | |

| SECTION 4: FIRST AID MEASURES | |
|--|---|
| 4.1. Description of first aid measures | |
| General advice | |
| Inhalation of Vapour | Move to fresh air. Treat symptomatically. Get medical attention if symptoms occur. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention. |
| Skin contact | Rinse with plenty of water |
| Ingestion | Rinse mouth. Get medical attention if symptoms occur. |
| Product AT USE DILUTION | |
| Inhalation of Vapour | Get medical attention if symptoms occur. |
| Eye contact | Rinse with plenty of water. |
| Skin contact | Rinse with plenty of water. |
| Ingestion | Rinse mouth. Get medical attention if symptoms occur. |
| 4.2. Most important symptoms and effects, both acute and delayed | |
| Symptoms | See Section 11 for more detailed information on health effects and symptoms |
| Effects | See Section 11 for more detailed information on health effects and symptoms |
| 4.3. Indication of any immediate medical attention and special treatment needed | |
| Treatment | Treat symptomatically. |

| SECTION 5: FIREFIGHTING MEASURES | |
|---|--|
| 5.1. Extinguishing media | |
| Suitable extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | None known. |
| 5.2. Special hazards arising from the substance or mixture | |
| Specific hazards during fire fighting | Exposure to decomposition products may be a hazard to health. |
| Hazardous combustion products | Decomposition products may include the following materials: Carbon oxides; nitrogen oxides (NOx); Sulphur oxides; Oxides of phosphorus |
| 5.3. Advice for fire-fighters | |
| Special protective equipment for fire-fighters | Wear personal protective equipment |
| Further information | Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes. |

| SECTION 6: ACCIDENTAL RELEASE MEASURES | |
|--|---|
| 6.1. Personal precautions, protective equipment and emergency procedures | |
| Advice for non-emergency personnel | Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8. |
| Advice for emergency responders | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. |
| 6.2. Environmental precautions | |
| Environmental precautions | Do not allow contact with soil, surface or ground water. |
| 6.3. Methods and materials for containment and cleaning up | |
| Methods and materials for containment and cleaning up | Sweep up and shovel into suitable containers for disposal |
| Product AT USE DILUTION | |
| Methods and materials for containment and cleaning up | Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. |
| 6.4. Reference to other sections | |
| See Section 1 for emergency contact information. See section 8 for personal protection equipment. See Section 13 for additional waste treatment information. | |

| SECTION 7: HANDLING AND STORAGE | |
|--|--|
| 7.1. Precautions for safe handling | |
| Advice on safe handling | Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Mixing this product with acid or ammonia releases chlorine gas. Do not mix with bleach or other chlorinated products – will cause chlorine gas. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. |
| 7.2. Conditions for safe storage, including any incompatibilities | |
| Requirements for storage areas and containers | Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers. Never allow product to get in contact with water during storage |
| Advice on protection against fire and explosion | No specific advice |
| Advice on common storage | Do not store near acids. |
| Storage Temperature | 0 °C to 50 °C |
| 7.3. Specific end use(s) | |
| Specific use(s) | The identified uses for this product are detailed in Section 1.2. |

| SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION | |
|---|---|
| 8.1. Control parameters | |
| Component: Sodium Carbonate CAS-No 497-19-8 | |
| Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL) | |
| Type of Application (Use): Workers Exposure routes: Inhalation Health Effect: Long term local effects | 10mg/m ³ |
| Type of Application (Use): Consumers Exposure routes: Inhalation Health Effect: Acute local effects | 10mg/m ³ |
| Component: Chlorine Gas CAS-No 497-19-8 | |
| Given off by the product before and after dilution. Not an ingredient | |
| Workplace exposure limit (WEL) | |
| Short-term exposure limit (15-minute reference period) | 0.5ppm 1.5mg/m ³ |
| 8.2 Exposure Controls | |
| Appropriate engineering controls | |
| Engineering Measures | Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards. |
| Respiratory protection | |
| Advice | When respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization, consider the use of certified respiratory protection equipment meeting EU requirements (89/656/EEC, 89/686/EEC), or equivalent, with filter type: P |
| Hand protection | |
| Advice | No special protective equipment required. |
| Eye/face protection | |
| Advice | Safety glasses with side-shields |
| Skin and body protection | |
| Advice | No special protective equipment required. |
| Hygiene measures | |
| Advice | Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. |
| Product AT USE DILUTION | |
| Appropriate engineering controls | |
| Engineering Measures | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |
| Respiratory protection | |
| Advice | None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, 89/686/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization. |

| | |
|--|--|
| Hand protection | |
| Advice | No special protective equipment required. |
| Eye/face protection | |
| Advice | No special protective equipment required. |
| Skin and body protection | |
| Advice | No special protective equipment required. |
| Hygiene measures | |
| Advice | Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. |
| Environmental exposure controls | |
| General Advice | Consider the provision of containment around storage vessels. |

| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES | | | |
|---|--|---|----------------|
| 9.1. Information on basic physical and chemical properties | | | |
| Form | Solid/Tablet | pH | 5.0-6.0 |
| Colour | White | Kinematic viscosity | Not tested |
| Odour | Chlorine | Water solubility | Soluble |
| Melting/freezing point | Not applicable | Partition coefficient: n-octanol/water | Not applicable |
| Initial boiling point and boiling range | Not applicable | Relative vapour density | Not applicable |
| Flammability (solid gas) | Not applicable | Relative Density | Not applicable |
| Upper and lower explosion limit | Not applicable | Decomposition temperature | Not applicable |
| Flash point | Not applicable | Particle properties | Not applicable |
| Auto ignition temperature | Not applicable | Explosive properties | Not applicable |
| Viscosity dynamic | Not applicable | Vapour pressure | Not applicable |
| Product AT USE DILUTION | | | |
| Form | Liquid | Colour | Natural Colour |
| Odour | Slight Chlorine | pH | 5.5-6.5 |
| 9.2 Other information | | | |
| 9.2.1 Information with regard to physical Chemical Classes | | | |
| Oxidising solid | Trosclozene Sodium less than 85%: Not classified as an oxidising solid | | |
| 9.2.2 Other safety Characteristics | | | |
| No Other information available | | | |

| SECTION 10: STABILITY AND REACTIVITY | |
|---|--|
| 10.1 Reactivity | |
| Advice | No dangerous reaction known under conditions of normal use. |
| 10.2 Chemical stability | |
| Advice | Stable under normal conditions. |
| 10.3 Possibility of hazardous reaction | |
| Hazardous reactions | Mixing this product with acid or ammonia releases chlorine gas. Do not mix with bleach or other chlorinated products – will cause chlorine gas. |
| 10.4 Conditions to avoid | |
| Conditions to avoid | None known |
| 10.5 Incompatible materials | |
| Materials to avoid | Acids |
| 10.6 Hazardous decomposition products | |
| Hazardous decomposition products | Decomposition products may include the following materials: Carbon oxides; nitrogen oxides (NO _x); Sulphur oxides; Oxides of phosphorus |

| SECTION 11: TOXICOLOGICAL INFORMATION | |
|--|---|
| 11.1 Information on toxicological effects | |
| Information on Product: ChloroSan Tablets | |
| Acute toxicity | |
| Oral | Acute toxicity estimate : > 2,000 mg/kg |
| Inhalation | Please find this information in the listing of the component/ components below in this MSDS |
| Dermal | Please find this information in the listing of the component/ components below in this MSDS |
| Irritation | |
| Skin Result | Please find this information in the listing of the component/ components below in this MSDS |
| Eyes Result | Please find this information in the listing of the component/ components below in this MSDS |
| Sensitisation | |
| Result | Please find this information in the listing of the component/ components below in this MSDS |
| CMR effects | |
| Carcinogenicity | Please find this information in the listing of the component/ components below in this MSDS |
| Mutagenicity | Please find this information in the listing of the component/ components below in this MSDS |
| Teratogenicity | Please find this information in the listing of the component/ components below in this MSDS |
| Reproductive toxicity | Please find this information in the listing of the component/ components below in this MSDS |
| Specific target organ toxicity | |
| Single exposure | |
| Remark | Please find this information in the listing of the component/ components below in this MSDS |
| Repeated exposure | |
| Remark | Please find this information in the listing of the component/ components below in this MSDS |
| Other toxic properties | |
| Aspiration risk | |
| Remark | |
| Information on components - Troclosen Sodium CAS-No 2893-78-9 | |
| Acute toxicity | |
| Acute oral | LD50 rat: 1,500 mg/kg |
| Inhalation | LC50 rat: dust/mist 0.27mg/L |
| Dermal | LD50 rabbit: > 10,000 mg/kg |
| Irritation | |
| Skin Result | Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin. Acute toxicity dermal (LD50 mg/kg) 5000 |

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|---|--|
| Eyes Result | Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. |
| Sensitisation | |
| Result | No data available |
| CMR effects | |
| Carcinogenicity | No data available |
| Mutagenicity | No data available |
| Teratogenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity | |
| Single exposure | |
| Remark | No data available |
| Repeated exposure | |
| Remark | No data available |
| Other toxic properties | |
| Aspiration risk | |
| Remark | No data available |
| Human experience | |
| Inhalation Respiratory irritation, Cough | |
| Skin contact No data available | |
| Eye contact Redness, Pain, Irritation | |
| Ingestion No data available | |
| Information on components - Adipic Acid CAS-No. 124-04-9 | |
| Acute toxicity | |
| Acute oral | LD50 rat: 5,560 mg/kg |
| Inhalation | 4 h LC50 rat: 7.7 mg/l |
| Dermal | LD50 rabbit: 7,940 mg/kg |
| Irritation | |
| Skin Result | Skin - Rabbit Result: No skin irritation |
| Eyes Result | Eyes - Rabbit Result: Severe irritations - 24h |
| Sensitisation | |
| Result | Maximisation Test - Guinea pig Result: negative |
| CMR effects | |
| Carcinogenicity | No component of this product present at levels greater than or equal to 0.1% identified as probable, possible or confirmed human carcinogen by IARC. |
| Mutagenicity | Ames test Escherichia coli/Salmonella typhimurium Result: negative In vitro mammalian cell gene mutation test Chinese hamster lung cells Result: negative |
| Teratogenicity | No data available |
| Reproductive toxicity | No data available |

| Specific target organ toxicity | |
|--|--|
| Single exposure | |
| Remark | No data available |
| Repeated exposure | |
| Remark | No data available |
| Other toxic properties | |
| Aspiration risk | |
| Remark | No data available |
| Human experience | |
| Excessive exposures may affect human health, as follows: | |
| Inhalation No data available | |
| Skin contact No data available | |
| Eye contact Severe irritation | |
| Ingestion No data available | |
| Information on components – Sodium Carbonate CAS-No. 497-19-8 | |
| Acute toxicity | |
| Acute oral | LD50 rat: 2,800 mg/kg |
| Inhalation | No data available |
| Dermal | No data available |
| Irritation | |
| Skin Result | Skin - Rabbit Result: Mild skin irritation - 24h |
| Eyes Result | Eyes - Rabbit Result: Eye irritation - 24h |
| Sensitisation | |
| Result | No data available |
| CMR effects | |
| Carcinogenicity | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC |
| Mutagenicity | No data available |
| Teratogenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity | |
| Single exposure | |
| No available data | |
| Repeated exposure | |
| No available data | |
| Other toxic properties | |
| Aspiration risk | |
| Remark | No data available |
| Human experience | |
| Excessive exposures may affect human health, as follows: | |
| Inhalation No data available | |
| Skin contact No data available | |
| Eye contact Severe irritation | |
| Ingestion No data available | |

| Information on components -Sodium Dodecylbenzene Sulfonate CAS-No. 25155-30-0 | |
|--|---|
| Acute toxicity | |
| Acute oral | LD50 rat: 1,086 mg/kg |
| Inhalation | LD50 rat: > 2000 mg/kg |
| Dermal | LD50 rat: > 2000 mg/kg |
| Irritation | |
| Skin Result | Corrosive effects (rabbit) |
| Eyes Result | Corrosive no specific data |
| Sensitisation | |
| Result | No data available |
| CMR effects | |
| Carcinogenicity | No data available |
| Mutagenicity | No data available |
| Teratogenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity | |
| Single exposure | |
| Remark | No data available |
| Repeated exposure | |
| Remark | No data available |
| Other toxic properties | |
| Aspiration risk | |
| Remark | |
| Human experience | |
| Excessive exposures may affect human health, as follows: | |
| Inhalation There may be irritation of the throat with a feeling of tightness in the chest. | |
| Skin contact There may be irritation and redness at the site of contact. There may be redness or whiteness of the skin in the area of exposure. | |
| Eye contact There may be irritation and redness. The eyes may water profusely. There may be severe pain. Corneal burns may occur. May cause permanent damage. | |
| Ingestion Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. | |
| 11.2 other information | |
| 11.2.1 Endocrine disrupting properties | |
| Endocrine disruptors | Does not have endocrine disrupting properties |
| 11.2.1 Information on other hazards | |
| No other information | |

| SECTION 12: ECOLOGICAL INFORMATION | |
|---|---|
| 12.1 Toxicity | |
| Information on product: Chlorine Tablets | |
| Acute toxicity | |
| Fish | No product specific data. See information on components |
| Toxicity to Daphnia and other invertebrates | No product specific data. See information on components |
| Algae | No product specific data. See information on components |
| Product classification | Very toxic to aquatic life with long lasting effects. |
| Information on components - Troclosene sodium CAS-No. 2893-78-9 | |
| Acute toxicity | |
| Fish | LC50: 96h; <i>Lepomis macrochirus</i> : 0.283 mg/l |
| Toxicity to Daphnia and other invertebrates | EC50: 48h; <i>Daphnia magna</i> : 0.15 mg/l |
| Algae | No data |
| Information on components - Sodium Carbonate CAS-No. 497-19-8 | |
| Acute toxicity | |
| Fish | LC50: 96h; <i>Lepomis macrochirus</i> : 300 mg/l |
| Toxicity to Daphnia and other invertebrates | EC50: 48h; <i>Ceriodaphnia</i> : 265mg/l |
| Algae | No data |
| Information on components - Sodium dodecylbenzene sulfonate CAS-No. 25155-30-0 | |
| Acute toxicity | |
| Fish | LC50: 96h; 1-10 mg/l |
| Toxicity to Daphnia and other invertebrates | EC50: 48h; 1-10 mg/l |
| Algae | ErC50: 72h; 10-100 mg/l |
| Information on components – Adipic Acid CAS-No. 124-04-9 | |
| Acute toxicity | |
| Fish | LC50: 96h; <i>Leuciscus idus</i> : 230 mg/l LC50: 96h; <i>Danio rerio</i> : > 1000 mg/l |
| Toxicity to Daphnia and other invertebrates | LC50: 48h; <i>Daphnia magna</i> : 46 mg/l EC50: 48h; <i>Daphnia magna</i> : 185.7 mg/l |
| Algae | EC50: 72h; <i>Desmodesmus subspicatus</i> : 39.8 mg/l EC50: 72h; <i>Pseudokirchneriella subcapitata</i> : 59 mg/l |
| 12.2 Persistence and Degradability | |
| Information on Product: | |
| Biodegradability | |
| Result | The active ingredient Troclosene sodium is poorly biodegradable The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC |
| Information on components – troclosene sodium CAS-No. 2893-78-9 | |
| Biodegradability | |
| Result | Poorly biodegradable |

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| Information on components – Adipic Acid CAS-No. 124-04-9 | |
| Biodegradability | |
| Result | Readily biodegradable |
| Information on components – Sodium Carbonate CAS-No. 497-19-8 | |
| Biodegradability | |
| Result | Not applicable - inorganic |
| Information on Components: Sodium dodecylbenzene sulfonate CAS-No. 25155-30-0 | |
| Biodegradability | |
| Result | Readily biodegradable surfactant Complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. |
| 12.3 Bioaccumulation Potential | |
| Information on Product – Chlorine Tablets | |
| Bioaccumulation | |
| Result | No data available |
| 12.4 Mobility in soil | |
| Information on product: Chlorine Tablets | |
| Mobility | |
| Soil | No data available |
| 12.5 Results of PBT and vPvB assessment | |
| Information on product: Chlorine Tablets | |
| Results of PBT and vPvB assessment | |
| Result | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
| 12.6 Endocrine Disrupting Properties | |
| Does not have endocrine disrupting properties | |
| 12.7 Other adverse effects | |
| Additional ecological Information | |
| No data is available on the product itself. | |
| Result | Do not flush into surface water or sanitary sewers. Avoid subsoil penetration |

| SECTION 13: DISPOSAL CONSIDERATION | |
|---|---|
| 13.1 Waste treatment methods | |
| Product | The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. |
| Contaminated packaging | Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations. |
| Guidance for Waste Code selection | Organic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC) and local regulations. |
| Product AT USE DILUTION | |
| Product | The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. |
| Contaminated Packaging | Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations. |

| SECTION 14: TRANSPORT INFORMATION | |
|--|--|
| 14.1 UN Number | |
| UN3077 | |
| 14.2 Proper shipping name | |
| ADR | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (troclosene sodium) |
| ADN | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (troclosene sodium) |
| RID | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (troclosene sodium) |
| IMDG | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (troclosene sodium) |
| IATA | Environmentally hazardous substance, solid, n.o.s. (troclosene sodium) |
| 14.3 transport hazard class(es) | |
| ADR (Labels, Classification code, Hazard Identification No., Tunnel restriction code) | 9 |
| RID (Labels, Classification code, Hazard Identification No.) | 9 |
| IMDG (Labels EmS) | 9 |
| IATA | 9 |
| 14.4 Packing Group | |
| ADR | PG III |
| ADN | PG III |
| RID | PG III |
| IMDG | PG III |
| IATA | PG III |
| 14.5 Environmental Hazards | |
| ADR Labelling according to 5.2.1.8 | Yes |
| ADN Labelling according to 5.2.1.8 | Yes |
| RID Labelling according to 5.2.1.8 | Yes |
| IMDG Labelling according to 5.2.1.6.3 | Yes |
| IMDG Classification as environmentally hazardous according to 2.9.3 | Yes |
| IATA | Yes |
| 14.6 Special precautions for user | |
| Not applicable | None |
| 14.7 Transport in Bulk according to annex II/MARPOL 73/78 and the IBC code | |
| IMDG | Not applicable |

SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture**According to Detergents Regulation EC 648/2004**

30 % and more: Chlorine-based bleaching agents less than 5 %: Anionic surfactants

Contains: Disinfectants

Biocidal Product Regulations (EU) No. 528/2012

No authorisations or exemptions are currently required for placing the product on the market in the EU.

Notifications are required in some EU countries.

The product has been notified to the following member states competent authorities or can otherwise be placed on the market in the countries as indicated below.

United Kingdom: Notifications are not required in the UK

National Regulations

Take note of Dir 94/33/EC on the protection of young people at work.

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: OTHER INFORMATION**Issue information**

First issued 07/05/2020
 Authorised by K Ferguson

Revised 16/09/2024 Issue 4
 Authorised by K Edwards

Significant changes at this revision

Section 9.1 updated; formatting and spelling errors corrected

Full text of H- phrases for ingredients in section 2 and 3

H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

EU Directives:

Dangerous preparations directive (67/548/EEC) (1999/45/EC)
 SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006
 Biocidal Product Regulation (BPR, Regulation (EU) 528/2012)
 REACH directive(2004/58/EC)
 CLP regulations (2008/1272/EC)

Other Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations.
 The Control of Substances Hazardous to Health Regulations.
 Health and Safety at Work Act.

Since the users working conditions are not known by us, the information on this safety data sheets is based on our current level of knowledge and on national and community regulations

The product must not be used for any purpose other than those specified without first obtaining written handling instructions

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirement and local regulations.

The information given on this data sheet must be regarded as relating to the safety requirements relating to our products and not a guarantee of its properties

Observe all National, Federal and Local laws / Bylaws with regard to the use of this product. Always check with relevant regulatory authorities before use

Disclaimer

Information on this form is furnished in compliance with current legislation. It is the responsibility of the recipient to pass on this information to relevant departments/persons involved. Scotmas Limited assumes no responsibility for injury or death resulting from the use/misuse of this product by the recipient and/or third persons, however caused. The user, bailee and their respective employees and agents assume all such risks if reasonable safety procedures are not adhered to.