Safety Data Sheet  
According to 1907/2006/EC, Article 31

**SAFETY SIGNS TOILET CLEANER**

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| Section 1: Identification of the substance/mixture and of the company/undertaking | |
| 1.1: Product Identifier | |
| **Product Name** | Toilet Cleaner |
| **Other means of identification** | Daily Toilet Cleaner  Toilet cleaner  Toilet cleaner and washroom cleaner  Urinal Descaler |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | |
| **Identified uses** | Acidic descaer and toilet cleaner and hard surfaces in washrooms |
| 1.3 Details of the supplier of the safety data sheet | |
| **Supplier** | Safety Signs and Supplies UK |
| **Address** | Unit 12  Wycke Hill Ind’ Est’  Maldon.  Essex. CM9 6UZ |
| **Web** | www.safetysigns.uk.com |
| **Telephone** | 01245 327 397 |
| **Fax** | 01245 327 362 |
| **Email** | sales@safetysigns.uk.com |
| **Email address of the competent person** |  |
| 1.4 Emergency telephone number | |
| **Emergency telephone number** |  |
| **Further information** |  |
| **Uses advised against** |  |
|  |  |
| Section 2: Hazards Identification | |
| 2.1 Classification of the substance or mixture | |
| **2.1.1 Classification – 1999/45/EC** | Skin irrit. 2-H315, Eye Dam. 1-H319 |
| **Main Hazards** | Skin irritation, Causes serious eye irritation |
| 2.2 Label Elements | |
| **Symbols** | Image |
| **Signal word** | Danger |
| **Hazard statement**  **Precautionary**  **Statement: Prevention**    **Precautionary**  **Statement: Response** | H315-Causes severe skin irritation.  H319- Causes serious eye irritation  P102-Keep out of reach of children.  P280 Wear Protective gloves/protective clothing/eye protection/face protection.  P 15- Restricted to professional users.  P301+P330+P331 P313- IF SWALLOWED: Rinse mouth. Do Not induce vomiting. Get medical advice/attention.  P303+P361+P353- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  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.  P501- Dispose of contents/container in accordance with local regulations  Keep away from other chemicals especially chlorine releasing bleached as toxic gas will be evolved.  Contains Phosphoric Acid and Sulphamic Acid |
| 2.3 Other hazards |  |
| **Other hazards** | This product does not contain any substances classified as PBT or vPvB |

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| |  | | --- | | Section 3: Composition/information on ingredients | | | | | | | |
|  | | | | | | |
| **Name** | **Range** | **EC No** | | **CAS No** | **Reach No/Submission No** | **Classification according to 67/548/EEC** |
| Sulphamic Acid | 5-10% | 226-218-8 | | 5329-14-6 |  | H315; H 319; H412 |
| Phosphoric Acid | 3-5% | 231-633-2 | | 7664-38-2 |  | H314 |
| Alcohol (C9-C11) Ethoxylate (6EO) | 2-5% |  | | 68439-45-2 |  | H302; H318 |
| Alkyl Dimethyl Benzyl Ammonium Chloride | 1-3% | 270-325-2 | | 68424-85-1 |  | H302; H312; H314; H318; H400 |
|  | | | | | | |
| Section 4: First Aid Measures | | | | | | |
| 4.1 Description of first aid measures | | | | | | |
| **Inhalation** | | | If you feel unwell, seek medical advice (show the label where possible). In case of accident by inhalation: remove casualty to fresh air and keep at rest. | | | |
| **Eye contact** | | | Rinse immediately with plenty of water for 15 minutes. Remove any contact lenses and open eyelids. Get medical attention. | | | |
| **Skin Contact** | | | Rinse immediately with plenty of water. get medical attention | | | |
| **Ingestion** | | | DO NOT INDUCE VOMOTING. Drink 1 to 2 glasses of water. if swallowed, rinse mouth with water (only if person is conscious) | | | |
| 4.2 Most important symptoms and effects, both acute and delayed | | | | | | |
| **Inhalation** | | | Inhalation may cause nausea and vomiting. | | | |
| **Eye contact** | | | Causes serious eye damage | | | |
| **Skin Contact** | | | Severe skin irritation. | | | |
| **Ingestion** | | | Ingestion may cause nausea and vomiting | | | |
| 4.3 Indication of any immediate medical attention and special treatment needed | | | | | | |
| **Inhalation** | | | If you feel unwell, seek medical advice (show label where possible) remove the effected person from the source of contamination immediately. | | | |
| **Eye contact** | | | Severe irritation. Rinse immediately with plenty of water for 15 minutes. Remove any contact lenses and open eyelids. Get medical attention. | | | |
| **Skin Contact** | | | Severe irritation. Rinse immediately with plenty of water. Get medical attention | | | |
| **Ingestion** | | | Ingestion may cause nausea and vomiting, Rinse mouth thoroughly. Drink 1 to 2 glasses of water | | | |
| General information | | | | | | |
|  | | | Avoid contact with eyes and skin. in case of accident or if you feel unwell seek medical advice immediately (show label where possible) | | | |
|  | | | | | | |
| Section 5: Firefighting Measures | | | | | | |
| 5.1 Extinguishing media | | | | | | |
|  | | | Water spray | | | |
| 5.2 Special hazards arising from the substance or mixture | | | | | | |
|  | | | Irritating gases or vapours. | | | |
| 5.3 Advice for firefighters | | | | | | |
|  | | | Self-contained breathing apparatus. (SCBA) and protective clothing. | | | |
|  | | | | | | |
| Section 6: Accidental Release Measures | | | | | | |
| 6.1 Personal precautions, protective equipment and emergency procedures | | | | | | |
|  | | | Wear suitable protective clothing, gloves and eye/face protection. | | | |
| 6.2 Environmental precautions | | | | | | |
|  | | | Advise local authorities if large spills cannot be contained. | | | |
| 6.3 Methods and material for containment and cleaning up | | | | | | |
|  | | | absorb with inert, absorbent material. | | | |
| 6.4 Reference to other sections | | | | | | |
|  | | | For personal protection, see Section 8, For waste disposal see Section 13. | | | |
| Further information | | | | | | |
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| Section 7: Handling and Storage | | | | | | |
| 7.1 Precautions for safe handling | | | | | | |
|  | | | Wear protective gloves, eye/face protection. Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes an skin. Keep only in the original container. Keep out of reach of children. | | | |
| 7.2 Conditions for safe storage, including any incompatibilities | | | | | | |
|  | | | Do Not mix with any other products. Keep only in the original container. Oxidising agents. | | | |
| 7.3 Specific end use(s) | | | | | | |
|  | | | The identified uses for this product are detailed in Section 1.2. | | | |
|  | | |  | | | |
| Section 8: Exposure Controls/Personal Protection | | | | | | |
| 8.1 Control parameters   |  |  | | --- | --- | |  | No data is available on this product | | | | | | | |
|  | | |  | | | |
| **8.1.1 Exposure Limit Values**  **Phosphoric Acid** | | | Long term exposure limit (8-hour TWA): WWL 1mg/m3  Short term exposure limit (15-minute): WEL 2mg/m3 | | | |
|  | | |  | | | |
| 8.2 Exposure controls | | | | | | |
|  | | | http://www.hse.gov.uk/workplacetransport/images/mandatory-eye-2.gifhttp://www.clipartbest.com/cliparts/Kcj/eXG/KcjeXG9pi.jpeg | | | |
| **8.2.1 Appropriate engineering controls** | | | Not normally required | | | |
| **8.2.2 Individual protection measures** | | | Adopt best Manual Handling considerations when handling, carrying and dispensing. Use appropriate clothing. | | | |
| **Eye/face protection** | | | Wear suitable protective clothing, gloves and eye/face protection | | | |
| **Skin protection** | | | Wear suitable protective clothing, gloves and eye/face protection | | | |
| **Hand protection** | | | Chemical resistant gloves (Rubber) | | | |
| **Skin protection – other** | | | Wear suitable protective clothing, gloves and eye/face protection | | | |
| **Respiratory protection** | | | Not normally required | | | |
| **Thermal hazards** | | | No data is available on this product | | | |
| **8.2.3 Environmental exposure controls** | | | Not normally required | | | |
| **Occupational exposure controls** | | | Not normally required. use as appropriate. | | | |
|  | | |  | | | |
| Section 9: Physical and Chemical Properties | | | | | | |
| 9.1 Information on basic physical and chemical properties | | | | | | |
| **State** | | | Viscous Liquid | | | |
| **Colour** | | | Clear Blue | | | |
| **Odour** | | | Lavender | | | |
| **pH** | | | 2-4 | | | |
| **Melting point** | | | -1 | | | |
| **Freezing point** | | | -2 | | | |
| **Boiling point** | | | 101 | | | |
| **Flash point** | | | Not applicable | | | |
| **Evaporation rate** | | | Not applicable | | | |
| **Flammability limits** | | | Not applicable | | | |
| **Vapour flammability** | | | Not applicable | | | |
| **Vapour pressure** | | | Not applicable | | | |
| **Vapour density** | | | Not applicable | | | |
| **Relative density** | | | 1.028 | | | |
| **Fat solubility** | | | Not applicable | | | |
| **Partition coefficient** | | | Not applicable | | | |
| **Auto ignition temperature** | | | 325 | | | |
| **Explosive** | | | Not applicable | | | |
| **Oxidising** | | | Not applicable | | | |
| **Solubility** | | | Not applicable | | | |
| 9.2 Other information | | | | | | |
| **Conductivity** | | | Not applicable | | | |
| **Surface tension** | | | Not applicable | | | |
| **Gas group** | | | Not applicable | | | |
| **Benzene content** | | | Not applicable | | | |
| **Lead content** | | | Not applicable | | | |
| **VOC (volatile organic compounds)** | | | Not applicable | | | |
|  | | |  | | | |
| Section 10: Stability and Reactivity | | | | | | |
| 10.1 Reactivity | | | | | | |
|  | | | Alkalis and generates heat | | | |
| 10.2 Chemical stability | | | | | | |
|  | | | Stable under normal conditions | | | |
| 10.3 Possibility of hazardous reactions | | | | | | |
|  | | | See section 10.1, 10.4, 10.5 | | | |
| 10.4 Conditions to avoid | | | | | | |
|  | | | Do NOT allow to freeze | | | |
| 10.5 Incompatible materials | | | | | | |
|  | | | Strong alkaline materials. Chlorine releasing materials will liberate toxic chlorine gas. | | | |
| 10.6 Hazardous decomposition products   |  |  | | --- | --- | |  | Carbon dioxide (CO2) | | | | | | | |
|  | | |  | | | |
| Section 11: Toxicological Information | | | | | | |
| 11.1 Information on toxicological effects | | | | | | |
| **Acute toxicity** | | | No data is available on this product. | | | |
| **Skin corrosion/irritation** | | | Irritating to eyes an skin | | | |
| **Serious eye damage/irritation** | | | Eye Irrit 2:H318- Causes serious eye irritation. | | | |
| **Respiratory or skin sensitisation** | | | May cause sensitisation by skin contact. | | | |
| **Germ cell mutagenicity** | | | No data is available on this product. | | | |
| **Carcinogenicity** | | | No data is available on this product. | | | |
| **Reproductive toxicity** | | | No data is available on this product. | | | |
| **STOT-single exposure** | | | No data is available on this product. | | | |
| **STOT-repeated exposure** | | | No data is available on this product. | | | |
| **11.1.4 Toxicological Information** | | | ATE oral (mg/kg) 14,100.8945092  ATE dermal (mg/kg) 110000.0 | | | |
|  | | |  | | | |
|  | | |  | | | |
| Section 12: Ecological Information | | | | | | |
| 12.1 Toxicity | | | | | | |
| **Sodium Hydroxide** | | | No data available | | | |
| 12.2 Persistence and degradability | | | | | | |
|  | | | The surfactants(s) contained in this product complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. | | | |
| 12.3 Bioaccumulative potential | | | | | | |
|  | | | Does not bioaccumulation | | | |
| 12.4 Mobility in soil | | | | | | |
|  | | | Not known. Do not let product contaminate subsoil. | | | |
| 12.5 Results of PBT and vPvB assessment | | | | | | |
|  | | | this product does not contain any substances classified as PBT or vPvB | | | |
| 12.6 Other adverse effects | | | | | | |
|  | | | No data is available on this product. | | | |
|  | | |  | | | |
| Section 13: Disposal Considerations | | | | | | |
| 13.1 Waste treatment methods | | | | | | |
|  | | | Discharge used solutions to drain. Small amounts (less than 5 litres) of unwanted product may be flushed with water to sewer. Large volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste. | | | |
| General information | | |  | | | |
|  | | |  | | | |
| Disposal methods | | |  | | | |
|  | | | Local and national regulations. This material and its container must be disposed of in a safe way. | | | |
| Disposal of packaging | | |  | | | |
|  | | | Empty containers can be cleaned with water. empty containers can be sent for disposal or recycling. | | | |
|  | | |  | | | |
| Section 14: Transport Information | | | | | | |
| **Hazard pictograms** | | | https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcQ5HXJuGCHk1rAsBWZkd_MJM5LwRYhu9i3C55gBcMGvQGsGuTS5 | | | |
| 14.1. UN Number | | |  | | | |
|  | | | 3264 | | | |
| 14.2. UN proper shipping name | | |  | | | |
|  | | | Corrosive liquid, Acidic, Inorganic< (phophoric acid solution) | | | |
| 14.3. Transport hazard class(es) | | |  | | | |
| **ADR/RID**  **IMDG**  **ICAO** | | | 8 Corrosive substance  8 Corrosive substance  8 Corrosive substance | | | |
| 14.4. Packing group | | |  | | | |
| **ADR/RID**  **IMDG**  **ICAO** | | | 111  111  111 | | | |
| 14.5. Environmental hazards | | |  | | | |
| **Environmental hazard**  **Marine pollutant** | | | No  No | | | |
|  | | |  | | | |
|  | | |  | | | |
|  | | |  | | | |
| Section 15: Regulatory Information | | | | | | |
| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture | | | | | | |
| **Regulations** | | | COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament amd of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemical Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directive 91/155/EEC, 93/67/EEC, 93/105EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) establishing a European Chemical Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC and 2000/21/EC | | | |
| 15.2 Chemical safety assessment | | | | | | |
|  | | | No data is available on this product | | | |
|  | | |  | | | |
| Section 16: Other Information | | | | | | |
| Other information | | |  | | | |
| **Text of risk phrases in Section 3** | | | H314-Causes severe skin burns and eye damage  H302-Harmful if swallowed  H312- Harmful in contact with skin  H315-Causes skin irritation  H318- Causes serious eye damage  H400- Very toxic to aquatic life  H319- Causes serious eye irritation  H412- Harmful to aquatic life with long lasting effects | | | |
| General information | | |  | | | |
|  | | | the product is not classified as dangerous for carriage. 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. | | | |
| Further information | | |  | | | |
|  | | | The information contained in this data sheet is, to the best of our knowledge and belief, accurate and is based upon our technical knowledge of the product and the date of issue. No warranty or representation, express or implied, is made as to its accuracy, reliability or completeness.  Safety signs & supplies uk will not be responsible for any damage or injury resulting from any inherent hazard of the material, the abnormal use of the material or from failure to adhere to recommendation. | | | |