Washroom **descaler cleaner**

Revision: 1
Revision date: 29/04/2020

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

1.1 Product identifier

Product name	Washroom descaler cleaner

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 address	Personnel Hygiene Services Ltd Block B, Western Industrial Estate, Caerphilly CF83 1XH United Kingdom
Web	www.phsdirect.co.uk
Telephone	02920 809098
Email	productinfo@phs.co.uk / productinfo@phswashrooms.ie

1.4 Emergency telephone number

Emergency telephone number	028 9267 331. 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	Not classified as hazardous

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
Citric acid		5949-29-1	201-069-1	01-2119457026-42	1-10%	Eye Irrit. 2: H319;
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)		8030-78-2	232-447-4		0.5 - 1%	Flam. Liq. 2: H225; AcuteTox. 4: H302; Skin Corr. 1B:H314; STOT SE 3: H336;Aquatic Acute 1: H400;

SECTION 4: First aid measures	
4.1 Description of first aid measures	
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so.
Eye contact	Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash with water. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
4.2 Most important symptoms and effects, both acute and delayed	
Inhalation	May cause irritation to respiratory system.
Eye contact	No irritation expected.
Skin contact	No irritation expected.
Ingestion	Unlikely to be harmful unless excessive amount ingested.
4.3 Indication of any immediate medical attention and special treatment needed	No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.
SECTION 5: Firefighting measures	
5.1 Extinguishing media	Carbon dioxide (CO_2). Water jet. For large fires: Alcohol resistant foam. Water jet.
5.2 Special hazards arising from the substance or mixture	No special hazards known.
5.3 Advice for firefighters	Wear suitable respiratory equipment when necessary.
SECTION 6: Accidental release measures	
6.1 Personal precautions, protective equipment and emergency procedures	Not normally required.
6.2 Environmental precautions	Do not allow product to enter drains. Dilute with water.
6.3 Methods and material for containment and cleaning up	Absorb with inert, absorbent material. 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, Keep in a cool, dry, well ventilated area.
7.2 Conditions for safe storage, including any incompatibilities	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 (continued)

8.1 Control parameters

8.1.1 Exposure Limit Values - UK

Exposure pattern - workers		
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Long-term - inhalation - Systemic Long-term - dermal - Systemic	3.32 mg/m³ 4.7 mg/kg
Exposure pattern - General population		
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Long-term - inhalation - Systemic Long-term - dermal - Systemic Long-term - oral - Systemic effects	0.98 mg/m³ 2.83 mg/kg 2.83 mg/kg

8.2 Exposure controls

Adopt best Manual Handling considerations when handling, carrying and dispensing. Wash hands after handling the product.

8.2.1 Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2 Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing.
Eye / face protection	Not normally required. In case of splashing, wear: Safety glasses. (EN166)
Skin protection - Hand protection	Wash hands after handling the product. For prolonged contact protection for the skin may benecessary. (EN374)
Respiratory protection	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	Blue
Odour	Characteristic
pH	<4.0
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	Not determined
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	No reactivity hazards known under normal storage and use conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No other adverse effects known.
10.4 Conditions to avoid	None.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Skin corrosion/irritation	No irritation expected.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level.

11.1.4 Toxicological Information

Citric acid	Inhalation Rat LC50/15min:	NDA	Dermal Rat LD50:	NDA
	Oral Rat LD50:	3000 mg/kg	Oral Mouse LD50:	5400 mg/kg
	Dermal Rabbit LD50:	NDA	Dermal Guinea Pig LD50:	NDA
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Inhalation Rat LC50/15min:	NDA	Dermal Rat LD50:	NDA
	Oral Rat LD50:	1260 mg/kg	Oral Mouse LD50:	NDA
	Dermal Rabbit LD50:	NDA	Dermal Guinea Pig LD50:	NDA

SECTION 12: Ecological information		
12.1 Toxicity		
Citric acid	Fish LC50/96h: Algae EC50/168h Daphnia LC50/72h	760mg/l 640mg/l 120 mg/l
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Algae EC50/72h: Daphnia LC50/48h: Guppy LC50/96h	NDA NDA NDA
12.2 Persistence and degradability	No data is available on this product.	
12.3 Bioaccumulative potential	No data is available on this product.	
Partition coefficient	No data is available on this product.	
12.4 Mobility in soil	No data is available on this product.	
12.5 Results of PBT and vPvB assessment	Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.	
12.6 Other adverse effects	No other adverse effects known.	
SECTION 13: Disposal considerations		
General information	Dispose of in compliance with all local and national regulations.	
Disposal of packaging	Dispose of in compliance with all local and national regulations. Empty containers can be cleaned with water.	
Further information	European Waste Catalogue: 20 01 30 detergents other than those mentioned in 20 01 29.	
SECTION 14: Transport information		
14.1 UN number	The product is not classified as dangerous for carriage.	
14.2 UN proper shipping name	The product is not classified as dangerous for carriage.	
14.3 Transport hazard class(es)		
ADR/RID	The product is not classified as dangerous for carriage.	
14.4 Packing group		
Packing group	The product is not classified as dangerous for carriage.	
14.5 Environmental hazards	The product is not classified as dangerous for carriage.	

SECTION 15: Regulatory information

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

	EU regulations: • Regulation(EC)No.1907/2006 - REACH • Regulation(EC)No1272/2008 - CLP • Regulation(EC)No.648/2004 - Detergents regulation Ingredients according to EC Detergents Regulation 648/2004 cationic surfactants 0% - < 5% anionic surfactants 0% - < 5% Perfumes 0% - < 5%
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: Changes to sections 1, 3, 8, 9, 11, 12, 15
Acronyms	LC: Lethal concentration. LD: Lethal dose. NDA - No data available. NOAEC: No observed adverse effect concentration. NOAEL: No observed adverse effect level. NOEC: No observed effect concentration. NOEL: No observed effect level. PBT: Persistent, bioaccumulative and toxic. SVHC. Substance of very high concern. vPvB. Very persistent and very bioaccumulative. *R01 - Polymer REACH number not available.
Text of Hazard Statements in Section 3	Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Acute 1: H400 - Very toxic to aquatic life.

Further information

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 andbelief at the date of publication however no guarantee is made to its accuracy. This informationrelates only to the specific material designated and may not be valid for such material used incombination with any other materials or in any other process.

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