



**SAFETY DATA SHEET**  
according to Regulation (EU) 2015/830

**PHS 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**

<b>Product name</b>	PHS Washroom Descaler Cleaner
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**1.2 Relevant identified uses of the substance or mixture and uses advised against**

<b>Product Use</b>	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
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**1.3 Details of the supplier of the safety data sheet**

<b>Company Address</b>	Personnel Hygiene Services Ltd Block B, Western Industrial Estate, Caerphilly CF83 1XH United Kingdom
<b>Web</b>	<a href="http://www.phsdirect.co.uk">www.phsdirect.co.uk</a>
<b>Telephone</b>	02920 809098
<b>Email:</b>	<a href="http://www.phsdirect.co.uk/contact-us">www.phsdirect.co.uk/contact-us</a>

**1.4 Emergency telephone number**

<b>Emergency telephone number</b>	02920 809098 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)
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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

<b>2.1.2 Classification - EC 1272/2008</b>	Not classified as hazardous
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**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; Acute Tox. 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**

<b>Inhalation</b>	Remove casualty from exposure ensuring one's own safety whilst doing so.
<b>Eye contact</b>	Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Wash with water. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	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**

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	No irritation expected.
<b>Skin contact</b>	No irritation expected.
<b>Ingestion</b>	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<sub>2</sub>). 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

### 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 / Occupational Exposure Limits

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Long-term - inhalation - Systemic	3.32 mg/m <sup>3</sup>
	Long-term - dermal - Systemic	4.7 mg/kg

Exposure Pattern - General population

Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Long-term - inhalation - Systemic	0.98 mg/m <sup>3</sup>
	Long-term - dermal - Systemic	2.83 mg/kg
	Long-term - oral - Systemic effects	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 -

Wash hands after handling the product. For prolonged contact protection for the skin may be necessary. (EN374)

#### Hand 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

<b>Odour</b>	Characteristic
<b>pH</b>	<4.0
<b>Melting point</b>	Not determined
<b>Freezing Point</b>	Not determined
<b>Initial boiling point</b>	Not determined
<b>Flash point</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable to liquids
<b>Fat Solubility</b>	Not determined
<b>Partition coefficient</b>	Not determined
<b>Autoignition temperature</b>	Not determined
<b>Viscosity</b>	Not determined
<b>Explosive properties</b>	Not explosive
<b>Oxidising properties</b>	Not oxidising
<b>Solubility</b>	Soluble in water
<b>Vapour pressure</b>	Not determined

#### 9.2 Other information

<b>Conductivity</b>	Not determined
<b>Surface tension</b>	Not determined
<b>Specific gravity</b>	1.01 g/cm <sup>3</sup>

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

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

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

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

	None.
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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

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

#### 11.1.4 Toxicological Information

<b>Citric acid</b>	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
<b>Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)</b>	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

<b>Citric acid</b>	Fish LC50/96h: 760mg/l	Algae EC50/168h: 640mg/l
	Daphnia LC50/72h: 120 mg/l	
<b>Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)</b>	Algae EC50/72h: NDA	Daphnia LC50/48h: NDA
	Guppy LC50/96h: NDA	

#### 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.
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#### 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

	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.

### 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

#### 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:

#### Acronyms

Changes to sections 1, 3, 8, 9, 11, 12, 15

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 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.

