



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

PHS Washroom Cleaner Concentrate

Revision: 1
Revision date: 06/05/2020

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

1.1 Product identifier

Product name PHS Washroom Cleaner Concentrate

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: www.phsdirect.co.uk/contact-us

1.4 Emergency telephone number

Emergency telephone number 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)

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;

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.

Precautionary Statement: Prevention

P264 - Wash thoroughly after handling.
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/ .

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;
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;
Citric acid		5949-29-1	201-069-1	01-2119457026-42	1-10%	Eye Irrit. 2: H319;
Di Methoxy Propanol ((2-methoxymethylethoxy) propanol)		34590-94-8	252-104-2	01-2119450011-60	1-10%	
Acetic acid	607-002-00-6	64-19-7	200-580-7	01-2119475328-30	1-10%	Flam. Liq. 3: H226; Skin Corr. 1A: H314;

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

	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**

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

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

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

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

	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.
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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

Di Methoxy Propanol (2-methoxymethylethoxy propanol)	WEL 8-hr limit mg/m3: 308
	WEL 8-hr limit ppm: 50
Acetic acid	DIR: 91/322
	8hTWA mg/m3: 25
	STEL mg/m3: -
	8hTWA ppm 10

8.1.1 Occupational Exposure Limits Values (OELVs) - Ireland

Di Methoxy Propanol (2-methoxymethylethoxy propanol)	Occupational Exposure Limit Value (8-hour reference period)	50 ppm 308 mg/m3
	Occupational Exposure Limit Value (15-minute reference period)	-
Acetic acid	Occupational Exposure Limit Value (8-hour reference period)	10 ppm 25 mg/m3
	Occupational Exposure Limit Value (15-minute reference period)	15 ppm 37 mg/m3

DNEL: Derived no-effect level.



Exposure Pattern - Workers

Alkyl (C12-16) dimethylbenzyl ammonium chloride (*R01)	Long term exposure - systemic effects, Dermal :	5,7 mg/Kg/day
	Long term exposure - systemic effects, Inhalation :	3,96 mg/m3

Exposure Pattern - General population

Alkyl (C12-16) dimethylbenzyl ammonium chloride (*R01)	Long term exposure - systemic effects, Oral	3,4 mg/Kg/day
	Long term exposure - systemic effects, Dermal	3,4 mg/Kg/day
	Long term exposure - systemic effects, Inhalation :	1,64 mg/m3

8.2 Exposure controls

8.2.1 Appropriate engineering controls	 
	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.

8.2.2 Individual protection measures	Use appropriate personal protective equipment.
Eye / face protection	Safety glasses. (EN166)
Skin protection - Hand protection	Chemical resistant gloves (PVC). (EN 374)
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	Yellow
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	<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	1.00 g/cm ³

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

	Avoid contact with: Alkalis. Avoid contact with: Chlorine-based bleaching agents.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

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
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
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

Di Methoxy Propanol (2-methoxymethylethoxy propanol)	Oral Rat LD50: >4000 mg/kg (oral rat) Dermal Rabbit LD50: 9510 mg/kg Inhalation Rat LC50/15min: 3.35 mg/l	
Acetic acid	Inhalation Rat LC50/4 h: 40000 mg/m3 Oral Rat LD50: 3310 mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50 NDA Dermal Guinea Pig LD50: NDA

SECTION 12: Ecological information

12.1 Toxicity

Alcohols, C12-14 (Even numbered), ethoxylated (*R01)	Daphnia EC50/48h: NDA Fish LC50/96h: NDA Algae IC50/72h: NDA		
Alkyl (C12-16) dimethylbenzyl ammonium chloride (*R01)	Daphnia EC50/48h: 0.0200 mg/l Green algae EC50/96h: 0.06mg/l Fish LC50/96h: 1.2000 mg/l	Daphnia LC50/48h:	0.02mg/l
Citric acid	Fish LC50/96h: 760mg/l Daphnia LC50/72h 120 mg/l Algae EC50/168h 640mg/l		
Di Methoxy Propanol (2-methoxymethylethoxy propanol)	Fish LC50/96h: 10,000 mg/l Daphnia EC50/48h: 1,919 mg/l Algae LC50/72h: 1,000 mg/l		
Acetic acid	Daphnia EC50/48h: 0.4500 mg/l Fish LC50/96 20.5000 mg/l Algae LC50/72h: 0.7300 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.
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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.
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SECTION 13: Disposal considerations

General information

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

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

	European Waste Catalogue: 20 01 29.
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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.

Subsidiary risk -

IMDG The product is not classified as dangerous for carriage.

Subsidiary risk -

IATA The product is not classified as dangerous for carriage.

Subsidiary risk -

14.4 Packing group

Packing group The product is not classified as dangerous for carriage.

14.5 Environmental hazards

Environmental hazards No

Marine pollutant No

ADR/RID

Hazard ID -

Tunnel Category -

IMDG

EmS Code -

IATA

Packing Instruction (Cargo) -

Maximum quantity -

Packing Instruction (Passenger) -

Maximum quantity -

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
 5 - 15%: Non ionic surfactants
 Less than 5%: Cationic surfactants, Phosphonates
 Other ingredients: Perfume

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 Acute Tox. 4: H302 - Harmful if swallowed.

Eye Dam. 1: H318 - Causes serious eye damage.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

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.

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