BC2028 specification sheet

Hygienic multi surface **cleaner concentrate**

Revision: 1
Revision date: 25/06/2020

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

1.1 Product identifier

Product name	Hygienic multi surface 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	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	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 1: H410;

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.Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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SECTION 2: Hazards identification (continued)

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 contactlenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P391 - Collect spillage.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor orcollection site except for empty clean containers which can be disposed of as non-hazardouswaste.

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;
2-Aminoethanol	603-030-00-8	141-43-5	205-483-3	01-2119486455-28	1-10%	Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Corr. 1B: H314; Acute Tox. 4: H332;STOT SE 3: H335; Aquatic Chronic 3: H412;
Alkyl (C12-16) dimethylbenzylammonium 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;

Active substance(s). Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16)) 3.5g/100g. Didecyldimethylammonium chloride (DDAC). 0.5g/100g.

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.

SECTION 5: Firefighting measures

5.1 Extinguishing media	Use extinguishing media appropriate to the surrounding fire conditions.
5.2 Special hazards arising from the substance or mixture	Burning produces irritating, toxic and obnoxious fumes.
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	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
6.2 Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
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.
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

2-Aminoethanol	WEL 8-hr limit ppm:	1
	WEL 15 min limit ppm:	3
	WEL 8-hr limit mg/m3:	2.5
	WEL 15 min limit mg/m3:	7.6

8.1.1 Occupational Exposure Limits Values (OELVs) - Ireland

2-Aminoethanol	Occupational Exposure Limit Value (8-hour reference period)	1 ppm 2.5 mg/m3
	Occupational Exposure Limit Value (15-minute reference period)	3 ppm 7.6 mg/m3

DNEL: Derived no-effect level.

Exposure Pattern - Workers

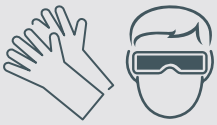
2-Aminoethanol	Long-term - inhalation - Systemic effects	3.3 mg/m³
	Long-term - inhalation - Local effects	3.3 mg/m³
	Long-term - oral - Systemic effects	1 mg/kg

Exposure Pattern - General population

2-Aminoethanol	Long-term - inhalation - Systemic effects	2 mg/m³
	Long-term - inhalation - Local effects	2 mg/m³
	Long-term - oral - Systemic effects	3.75 mg/kg
	Long-term - dermal - Systemic effects	0.24 mg/kg

SECTION 8: Exposure controls/personal protection (continued)

8.2 Exposure controls



Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. 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	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	Violet
Odour	Characteristic
pH	>10.0
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 @20ºC
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	Avoid contact with: Acids.

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
2-Aminoethanol	Inhalation Rat LC50/1.3 mg/l h:	6	Dermal Rat LD50	NDA
			Oral Mouse LD50:	NDA
	Oral Rat LD50:	1515 mg/kg	Dermal Guinea Pig LD50	NDA
	Dermal Rabbit LD50:	NDA		
Alkyl (C12-16) dimethylbenzylammonium 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

SECTION 12: Ecological information

12.1 Toxicity

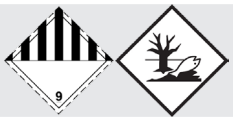
Alcohols, C12-14 (Even numbered), ethoxylated (*R01)	Daphnia EC50/48h:	NDA		
	Fish LC50/96h:	NDA		
	Algae IC50/72h:	NDA		
2-Aminoethanol	Daphnia EC50/48h:	65.0000 mg/l		
	Fish LC50/96h:	170 mg/l		
	Algae EC50/72h:	22 mg/l		
Alkyl (C12-16) dimethylbenzylammonium chloride (*R01)	Daphnia EC50/48h:	0.0200 mg/l	Daphnia LC50/48h:	0.02mg/l
	Green algae EC50/96h:	0.06mg/l		
	Fish LC50/96h:	1.2000 mg/l		

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.

SECTION 12: Ecological information (continued)	
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 29.

SECTION 14: Transport information	
Hazard pictograms	



14.1 UN number	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYL DIMETHYLBENZYL AMMONIUM CHLORIDE)

14.3 Transport hazard class(es)

ADR/RID	9
Subsidiary risk	-
IMDG	9
Subsidiary risk	-
IATA	9
Subsidiary risk	-

14.4 Packing group

Packing group	III

14.5 Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

ADR/RID

Hazard ID	90
Tunnel category	E

IMDG

EmS Code	F-A-S-F

IATA

Packing Instruction (Cargo)	964
Maximum quantity	450l
Packing Instruction (Passenger)	964
Maximum quantity	450L

SECTION 15: Regulatory information (continued)

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 non-ionic surfactants 5% - < 15% cationic surfactants 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	Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

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. Internal ref: F000474