

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

PHS Premium Laundry Detergent

Revision: 1 Revision date: 06/05/2020

SECTION 1: Identification	on of the substance/mixture and of the company/undertaking			
1.1 Product identifier				
Product name	PHS Premium Laundry Detergent			
1.2 Relevant identified us	ses 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	r of the safety data sheet			
Company	Personnel Hygiene Services Ltd			
Address	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	02920 809098			
number	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	Not classified as hazardous			
1272/2008				
SECTION 3: Compositio	on/information on ingredients			
3.2 Mixtures				
EC 1272/2008				
Chemical name	Index No. CAS No. EC No. REACH Conc Classification			
	registration (%w/w)			
	Number			

Chemical name	Index No.	CAS No.	EC No.	REACH registration Number	Conc (%w/w)	Classification
Sodium carbonate	011-005-00-2	497-19-8	207-838-8	01-2119485498-19	1-10%	Eye Irrit. 2: H319
Sodium alkylbenzenesulphonate		90194-45-9	290-656-6	01-2119490234-40		Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318;
Alcohols, C12-14, ethoxylated, sulphates, sodium salts		68891-38-3		01-2219488639-16	1-10%	Eye Irrit. 2: H319;
Ethanol	603-002-00-5	64-17-5	200-578-6	01-2119457610-43	1-10%	Flam. Liq. 2: H225;
Alcohols, C12-14 (Even numbered), ethoxylated (*R01)		68002-97-1			1-10%	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412;
Mono propylene glycol (Propane-1,2-diol total vapour and particulates)		57-55-6	200-338-0	01-2119456809-23	1-10%	

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.
Eve 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.
Skill contact	wash with water. Occur include a attention in initiation of symptoms persist.

0	If swallowed, do not induce vomiting: seek n label.	nedical advice immediately and show this container or
	ns and effects, both acute and delayed	
	May cause irritation to respiratory system.	
	No irritation expected.	
	No irritation expected.	
Ingestion	Unlikely to be harmful unless excessive amo	punt ingested.
4.3 Indication of any immed	liate medical attention and special treatm	ent needed
	-	nd medical monitoring. Specific toxicological information on substances, if available,
SECTION 5: Firefighting	measures	
5.1 Extinguishing media	incusures	
	Carbon dioxide (CO2). Water jet. For large fi	ires:. 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 n	necessary.
SECTION 6: Accidental re	elease measures	
6.1 Personal precautions, p	rotective equipment and emergency proc	cedures
	Not normally required.	
6.2 Environmental precaution	ons	
	Do not allow product to enter drains. Dilute v	with water.
	or containment and cleaning up	
		fer to suitable, labelled containers for disposal. Clean spillage area thoroughly with
	plenty of water.	
6.4 Reference to other section		ention 9.2. For disposal considerations and position 12
	For personal protective equipment see subs	section 8.2. For disposal considerations see section 13.
SECTION 7: Handling and	d storage	
7.1 Precautions for safe ha	ndling	
	Avoid contact with eyes and skin. Ensure ad when handling, carrying and dispensing.	lequate ventilation of the working area. Adopt best manual handling considerations
7.2 Conditions for safe stor	age, including any incompatibilities	
		ep 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 co	ntrols/personal protection	
8.1 Control parameters		
8.1.1 Exposure Limit Values	s - UK	
	WEL 8-hr limit ppm 1000	WEL 8-hr limit mg/m3 1920
	WEL 15 min limit ppm -	WEL 15 min limit mg/m3: -
Ethanol	WEL 8-hr limit mg/m3 total	WEL 15 min limit mg/m3 total
	WEL 8-hr limit mg/m3 total	WEL 15 min limit mg/m3 total
	respirable dust	respirable dust:
	Particulates: WEL 8-hr limit mg/m3 10	
Managenetics	mg/m3 '	
Mono propylene glycol	5	
(Propane-1 2-diol total	Particulates: WEL 8-hr limit ppm: 10	
(Propane-1,2-diol total vapour and	Particulates: WEL 8-hr limit ppm: 10	
vapour and	Particulates: WEL 8-hr limit ppm: 10 Vapour & Particulates: WEL 8-hr	
•	Particulates: WEL 8-hr limit ppm: 10	
vapour and particulates)	Particulates: WEL 8-hr limit ppm: 10 Vapour & Particulates: WEL 8-hr limit mg/m3: 474	
vapour and particulates) 8.1.1 Occupational Exposu	Particulates: WEL 8-hr limit ppm: 10 Vapour & Particulates: WEL 8-hr limit mg/m3: 474	
vapour and particulates) 8.1.1 Occupational Exposu	Particulates: WEL 8-hr limit ppm: 10 Vapour & Particulates: WEL 8-hr limit mg/m3: 474 re Limits Values (OELVs) - Ireland Occupational Exposure Limit Value (8-hour	_
vapour and particulates) 8.1.1 Occupational Exposu	Particulates: WEL 8-hr limit ppm: 10 Vapour & Particulates: WEL 8-hr limit mg/m3: 474	- 1000 ppm

Mono propylene glycol (Propane-1,2-diol total vapour and	Occupational Exposure Limit Value (8-hour reference period)	150 ppm (total) 470 mg/m3 (total) 10 mg/m3 (vapour & particulates)	
particulates)	Occupational Exposure Limit Value (15- minute reference period)		
DNEL: Derived no-effect I Exposure Pattern - Worke			
	Acute inhalation - Local effects	10 mg/kg	
Sodium carbonate			
	Acute inhalation - Local effects	1900 mg/m³	
	Long-term - inhalation - Systemic effects	950 mg/m³	
Ethanol	Long-term - dermal - Systemic effects	343 mg/kg	
	Long-term - systemic effects, Inhalation	168 mg/m3	
Mono propylene glycol (Propane-1,2-diol total vapour and particulates)	Long-term - local effects, Inhalation	10 mg/m3	
Exposure Pattern - Gener	al population		
	Acute inhalation - Local effects	10 mg/kg	
Sodium carbonate			
	Acute inhalation - Local effects	950 mg/m³	
	Long-term - inhalation - Systemic effects	114 mg/m³	
Ethanol	Long-term - oral - Systemic effects	87 mg/kg	
	Long-term - dermal - Systemic effects	206 mg/kg	
	Long-term - systemic effects, Skin contact	213 mg/kg bw/day	
Mono propylene glycol	Long-term - systemic effects, Inhalation	50 mg/m3	
(Propane-1,2-diol total vapour and particulates)	Long-term - systemic effects, Ingestion Long-term - local effects, Inhalation	85 mg/kg bw/day 10 mg/m3	
8.2 Exposure controls			

Adopt best Manual Handling considerations when handling, carrying and dispensing. Wash hands after handling the product.
Ensure adequate ventilation of the working area.
Adopt best Manual Handling considerations when handling, carrying and dispensing.
Not normally required. In case of splashing, wear:. Safety glasses. (EN166)
Wash hands after handling the product. For prolonged contact protection for the skin may be
necessary. (EN374)
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 White

Odour Characteristic pH 8.5-10.5 Metting point Not determined Freezing Point Not determined Initial boiling point Not determined Else point Not determined Flash point Not determined Evaporation rate Not determined Evaporation rate Not determined Flasmability (solid, gas) Not applicable to liquids Flasmability (solid, gas) Not applicable to liquids Partition coefficient Not determined Autoinition temperature Not determined Viscosity 250 cp @20°C Explosive properties Not explosive Oxidising properties Not oxidising Solubility Soluble in water Vapour pressure Not oxidising Solubility Not determined Surface tension Not determined Surface tension Not determined Surface tension Not determined Specific gravity 1.05 g/cm² Section 10: Stability and reactivity 10.1 Reactivity 10.2 Chemical stability Ioan eadverse effects known. 10.3 Possibility of hazardous reactions 10.4 Conditions to avoid None. SECTION 11: Toxicological information 11.1
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Germ cell mutagenicity No mutagenic effects reported. Carcinogenicity No carcinogenic effects reported.
Germ cell mutagenicity No mutagenic effects reported. Carcinogenicity No carcinogenic effects reported.
Carcinogenicity No carcinogenic effects reported.
Reproductive toxicity No observed effect level.
11.1.4 Toxicological Information
Interface Det LOE0/45 with ADA
Inhalation Rat LC50/15min: NDA Dermal Rat LD50: NDA
Oral Bat DEG. 2800 Oral Mayor DEG NDA
Sodium carbonate Oral Rat LD50: 2000 Oral Mouse LD50 NDA
2000mg/
Dermal Rabbit LD50: 2000/11g/ Dermal Guinea Pig LD50: NDA
Inhalation Rat LC50/15min: NDA Dermal Rat LD50: NDA
Sodium
Sodium Oral Rat LD50: >2000 Oral Mouse LD50 NDA alkylbenzenesulphonate mg/kg Oral Mouse LD50 NDA
any benzenesulphonate ingrag
Dermal Rabbit LD50: NDA Dermal Guinea Pig LD50: NDA
Inholotion Dat CE0/1Emin: NDA Dormal Dat DE0:
Inhalation Rat LC50/15min: NDA Dermal Rat LD50: >2000 mg/kg
Alcohols, C12-14,
Alcohols, C12-14, ethoxylated sulphates Oral Bat L D50: 4100 Oral Mouse L D50 NDA
Alcohols, C12-14, 4100
Alcohols, C12-14, ethoxylated, sulphates, Oral Rat LD50: 4100 mg/kg Oral Mouse LD50 NDA
Alcohols, C12-14, ethoxylated, sulphates, sodium salts Oral Rat LD50: 4100 mg/kg Oral Mouse LD50 NDA
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Alcohols, C12-14, ethoxylated, sulphates, sodium salts Oral Rat LD50: $\frac{4100}{mg/kg}$ Oral Mouse LD50 NDA Dermal Rabbit LD50: NDA Dermal Guinea Pig LD50: NDA Dermal Rat LD50: NDA Oral Rat LD50: 7060 mg/kg
Alcohols, C12-14, ethoxylated, sulphates, sodium salts Oral Rat LD50: 4100 mg/kg Oral Mouse LD50 NDA Dermal Rabbit LD50: NDA Dermal Guinea Pig LD50: NDA

Ethanol	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA	
	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50 NDA	
Alcohols, C12-14 (Even numbered), ethoxylated (*R01)	Oral Rat LD50: 100 mg/kg	Oral Mouse LD50: NDA	
	Dermal Rabbit LD50: 2,000 mg/kg	Dermal Guinea Pig LD50 NDA	
	LD50 oral rat 22000 mg/kg		
Mono propylene glycol (Propane-1,2-diol total vapour and particulates)	> 317042 Inhalation Rabbit; 2 h; mg/l (dust/mist)		
. ,	Dermal Rabbit LD50: > 2000 mg/kg		

12.1 Toxicity	Algae EC50/72h:	
	Algae EC50/72h	
	/ ligae 2000/7211.	NDA
Sodium carbonate	Fish LC50/96h:	300 mg/l
	Daphnia LC50/48h:	227 mg/l
	Algae IC50/72h:	NDA
Sodium alkylbenzenesulphonate	Fish LC50/96h:	NDA
	Daphnia EC50/48h:	NDA
Alashala C12.14	Daphnia EC50/48h:	7.2 mg/l
Alcohols, C12-14, ethoxylated, sulphates, sodium salts	Green algae EC50/96h	7.5mg/l
	Fish LC50/96h:	7.1 mg/l
	Fish LC50/96h:	12900 mg/l
Ethanol	Daphnia LC50/48h	NDA
	Algae EC50/72h:	NDA
Alcohols, C12-14 (Even	Daphnia EC50/48h:	NDA
numbered), ethoxylated (*R01)	Fish LC50/96h:	NDA
	Algae IC50/72h:	NDA
Mono propylene glycol	Daphnia EC50/48h:	43500 mg/l
(Propane-1,2-diol total vapour and	Fish LC50/96	40613 mg/l
particulates)	Algae LC50/72h:	NDA
12.2 Persistence and degrada	ability	

No data is available on this product.

No data is available on this product. Partition certification Partition certification Item of the product. 12.4 Mobility is oil Item of the product. 12.6 souts of PST and YP-B assessment Substances that fulfill the criteria for PSTVPV6, if any, are listed in section 3. 12.6 Other adverse effects No other adverse effects known. SECTION 13: Disposal considerations General Information Disposal of packaging Disposal of packaging Disposal of packaging European Waste Catalogue. 20 01 30 detergents other than those mentioned in 20 01 29. SECTION 14: Transport Information 14.1 Unproper shipping name 14.2 Uproper shipping name 14.3 Transport hazard class(fied as dangerous for carriage. 14.3 Transport hazard class(fied as dangerous for carriage. Subsidiary risk The product is not classified as dangerous for carriage. 14.3 Transport hazard class(fied as dangerous for carriage. 14.4 Uproper shipping name 14.2 Uproper shipping name 14.3 Uproper shipping name 14.4 Uproper shipping name 14.3 Transport hazard class(fied as dangerous f	12.3 Bioaccumulative pote	ential
No data is available on this product. 1.4 Mobility in soil 1.4 Mobility in soil 1.2.6 Results of PBT and vPvB ascessment Substances that fulfil the criteria for PBT/vPvB, if any, are listed in section 3. 1.2.6 Other adverse effects No other adverse effects Section 13: Disposal considerations General information Dispose of in compliance with all local and national regulations. Empty containers can be cleaned with water. Further information 14.1 UN number It 1.0 Number It 2.0 Wroper shipping name Subsidiary risk No The product is not classified as dangerous for carriage. 14.2 UN proper shipping name Subsidiary risk No Packing group The product is not classified as dangerous for carriage. 14.2 UN proper shipping name Subsidiary risk - The product is not classified as dangerous for carriage. 14.2 No comper shipping name Subsidiary risk - The product is not classified as dangerous for carriage. 14.1 Nanomental hazards		No data is available on this product.
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SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	SECTION 15. Dogulator	(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)No.1272/2008 - CLP
 • Regulation(EC)No.648/2004 - Detergents regulation

 Ingredients according to EC Detergents Regulation 648/2004
 Less than 5%: Anionic Surfactants, Non ionic surfactants, Phosphonates, Soap

 Other ingredients: Perfume, Preservatives
 15.2 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 Text of Hazard Statements in Section 3	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. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Skin Irrit. 2: H315 - Causes skin irritation. 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.