

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

PHS Machine Detergent

Revision: 1

Revision date: 07/05/2020

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

1.1 Product identifier

Product name PHS Machine Detergent

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

Personnel Hygiene Services Ltd Company

Address Block B, Western Industrial Estate, Caerphilly

> CF83 1XH United Kingdom www.phsdirect.co.uk 02920 809098

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

1.4 Emergency telephone number

Emergency telephone 02920 809098

Ireland: National Poisons Centre, Beaumont Hospital, Dublin 9 number

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

Web

Skin Corr. 1A: H314;

2.2 Label elements Hazard pictograms

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		4
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Signal Word Hazard Statement

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

Precautionary Statement:

Prevention

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse

skin with water/shower.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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/ . P363 - Wash contaminated clothing before reuse.

Precautionary **Statement Storage** P405 - Store locked up.

Precautionary Statement: Disposal

P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous

waste.

Further information

Contains:. Sodium hydroxide.

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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
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	10 - 20%	Skin Corr. 1A: H314;
Tetrasodium (1-hydroxyethylidene) bisphosphonate		3794-83-0	223-267-7	01-2119647955-23	1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1 Description of first aid	4.1 Description of mist aid measures				
Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.				
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. Wash with water. Seek medical attention.				
Skin contact	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.				
Ingestion	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.				

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Irritant, Severe respiratory.
Eye contact	Causes severe burns.
Skin contact	Causes severe burns.
Ingestion	Causes severe burns.

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 as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

Corrosive. 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. Evacuate personnel to a safe 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. 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

	WEL 8-hr limit ppm -	WEL 8-hr limit mg/m3 -	
Sodium hydroxide	WEL 15 min limit ppm -	WEL 15 min limit mg/m3: 2	
Soulum nyuroxide	WEL 8-hr limit mg/m3 total _ inhalable dust:	WEL 15 min limit mg/m3 total inhalable dust:	
	WEL 8-hr limit mg/m3 total respirable dust	WEL 15 min limit mg/m3 total respirable dust:	

8.1.1 Occupational Exposure Limits Values (OELVs) - Ireland

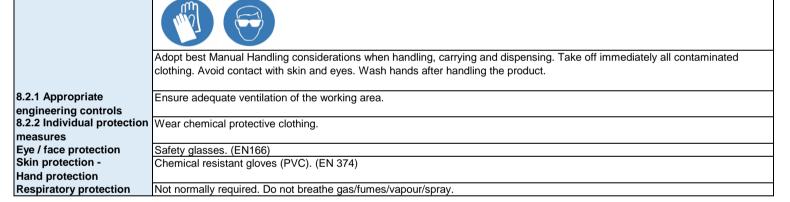
So	Occupational Exposure Limit Value (8-hour reference period)	-
	Occupational Exposure Limit Value (15-minute reference period)	2 mg/m3

DNEL: Derived no-effect level. **Exposure Pattern - Workers**

	Acute dermal - Local effects Long-term - inhalation - Local effects	2 mg/m³ 1 mg/m³
\$ Sodium hydroxide		

Exposure Pattern - General population					
	Acute dermal - Local effects	2 mg/m³			
	Long-term - inhalation - Local effects	1 mg/m³			
Sodium hydroxide					

8.2 Exposure controls



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Yellow
Odour	Characteristic
pH	>13
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

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 Germ cell mutagenicity Carcinogenicity Reproductive toxicity Causes burns.

No mutagenic effects reported.

No carcinogenic effects reported.

No observed effect level.

11.1.4 Toxicological Information

	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA	
Sodium hydroxide	Oral Rat LD50: NDA	Oral Mouse LD50 NDA	
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA	
	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA	
Tetrasodium (1- hydroxyethylidene) bisphosphonate	Oral Rat LD50: NDA	Oral Mouse LD50 NDA	
Dispriosprioriale	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA	

SECTION 12: Ecological information

12.1 Toxicity

Fish LC50/96h: 125 mg/l

Sodium hydroxide

Daphnia LC50/24h: 76 mg/l

Green Algae EC50/48h:

22mg/l (15min) NDA

Tetrasodium (1hydroxyethylidene)

bisphosphonate

Guppy LC50/96h: NDA

Algae EC50/72h:

Daphnia LC50/48h: 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 15 alkalines.

SECTION 14: Transport information

Hazard pictograms



14.1 UN number

UN1824

14.2 UN proper shipping name

SODIUM HYDROXIDE, SOLUTION

14.3 Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

14.4 Packing group

Packing group

14.5 Environmental hazards

	No
Marine pollutant	No

ADR/RID

Hazard ID	80
Tunnel Category	Е

IMDG

	EmS Code	F-A-S-E
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IATA

Packing Instruction	855
(Cargo)	
Maximum quantity	30L
Packing Instruction	851
(Passenger)	
Maximum quantity	11

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 Less than 5%: Phosphonates.

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

LC: Lethal concentration. **Acronyms**

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

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

Skin Irrit. 2: H315 - Causes skin irritation.

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