



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

PHS Bleach

Revision: 1
Revision date: 15/05/2020

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

1.1 Product identifier SH-BPF-126

Product name PHS Bleach

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 EUH206: H290: Skin Irrit. 2: H315: Eye Irrit. 2: H319: Aquatic Acute 1: H400: Aquatic Chronic 2: H411:

2.2 Label elements

Hazard pictograms



Signal Word

Warning

Hazard Statement

EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine).
H290 - May be corrosive to metals.
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statement: Prevention

P234 -Keep only in original container.
P273 -Avoid release to the environment.
P280 -Wear protective gloves and eye/face protection.

Precautionary Statement: Response

P310 -Immediately call a POISON CENTER or doctor/physician.
P390 -Absorb spillage to prevent material damage.
P391 -Collect spillage.
P302+P352 -IF ON SKIN: Wash with plenty of soap and 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.

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.

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 hypochlorite, solution	017-011-00-1	7681-52-9	231-668-3	01-2119488154-34	1-10%	EUH031; Skin Corr. 1B: H314; Aquatic Acute 1: H400;

Active substance(s). Sodium hypochlorite. : 3.5 g/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	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
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	Irritating to eyes
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



Exposure Pattern - Workers

Sodium hypochlorite, solution	Acute inhalation - Systemic effects	3.1 mg/m ³
	Acute inhalation - Local effects	3.1 mg/m ³
	Long-term - dermal - Systemic effects	1.55 mg/m ³
	Long-term - inhalation - Local effects	1.55 mg/m ³
	Long-term - dermal - Local effects	0.55 mg/m ³

Exposure Pattern - General population

Sodium hypochlorite, solution	Acute inhalation - Systemic effects	3.1 mg/m ³
	Acute inhalation - Local effects	3.1 mg/m ³
	Long-term - dermal - Systemic effects	1.55 mg/m ³
	Long-term - oral - Systemic effects	0.25 mg/m ³
	Long-term - inhalation - Local effects	1.55 mg/m ³
	Long-term - dermal - Local effects	0.55 mg/m ³

8.2 Exposure controls

8.2.1 Appropriate engineering controls 8.2.2 Individual protection measures Eye / face protection Skin protection - Hand protection Respiratory protection	 
	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.
	Use appropriate personal protective equipment.
	Safety glasses. (EN166)
	Chemical resistant gloves (PVC). (EN 374)
	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	>11.0
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	1.07 g/cm ³

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 eyes and skin.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level.

11.1.4 Toxicological Information

Sodium hypochlorite, solution	Inhalation Rat LC50/15min: >10.5mg/l	Dermal Rat LD50: NDA
	Oral Rat LD50: NDA	Oral Mouse LD50 2900 - 3400 mg/l
	Dermal Rabbit LD50: >2000 mg/l	Dermal Guinea Pig LD50: NDA

SECTION 12: Ecological information**12.1 Toxicity**

Sodium hypochlorite, solution	Fish LC50/96h: 0.62 mg/l
	Green Algae EC50/24h: 28 mg/l
	Daphnia LC50/96h: 2.1 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.
--	---------------------------------------

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. (SODIUM HYPOCHLORITE)
--	---

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**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

	<p>EU regulations:</p> <ul style="list-style-type: none"> • Regulation(EC)No.1907/2006 - REACH • Regulation(EC)No1272/2008 - CLP • Regulation(EC)No.648/2004 - Detergents regulation <p>Ingredients according to EC Detergents Regulation 648/2004 5% - < 15% Chlorine based bleaching agents</p>
--	---

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. 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.
Acronyms	
Text of Hazard Statements in Section 3	EUH031 - Contact with acids liberates toxic gas. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life.

Further information

	<p>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.</p> <p>Internal ref: F000439</p>
--	--