

SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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P.D.A. 51 Detergent *

Revision 4
Revision date 2023-01-31

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

1.1. Product identifier

Product name	P.D.A. 51 Detergent *
Product code	PDA51/10 PDA51/20 PDA51/5 PDA51/5U

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Detergent.
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1.3. Details of the supplier of the safety data sheet

Company	Serchem Limited
Address	Heatherset Arleston, off Dawley Road Wellington, Telford Shropshire TF1 2LY United Kingdom
Web	www.serchem.co.uk
Telephone	01952 223130
Fax	01952 222012
Email	support@serchem.co.uk
Email address of the competent person	production@serchem.co.uk

1.4. Emergency telephone number

Emergency telephone number	01952 223130 9.00 am - 5.00 pm Mon - Fri The National Poisons Information Service (NPIS) Industry: sds.npis@nhs.net Public: NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales)
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Further information

	Out of office hours : contact 07734 874648 Mr A Arnold.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Irrit. 2: H319;
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2.2. Label elements

Hazard pictograms	
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2.2. Label elements

Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.
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. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Other hazards	This product is not classed as a PBT Substance.
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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
Potassium polyphosphate aqueous solution						Eye Irrit. 2: H319;
Disodium metasilicate	014-010-00-8	6834-92-0	229-912-9			Skin Corr. 1B: H314; STOT SE 3: H335;
Acrylic acid	607-061-00-8	79-10-7	201-177-9			Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400;
Sodium gluconate		527-07-1	208-407-7			
Subtilisin (Subtilisins (Bacillus subtilis Carlsberg))	647-012-00-8	9014-01-1	232-752-2			STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Resp. Sens. 1: H334;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	If you feel unwell, seek medical advice (show the label where possible). In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eye contact	Avoid contact with eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. Wash with water.
Skin contact	Avoid contact with skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Remove all contaminated clothes and footwear immediately unless stuck to skin. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. If swallowed, rinse mouth with water (only if the person is conscious). Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist.
Eye contact	Avoid contact with eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. Wash with water.
Skin contact	Avoid contact with skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.

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4.2. Most important symptoms and effects, both acute and delayed

Ingestion	DO NOT INDUCE VOMITING. If you feel unwell, seek medical advice (show the label where possible). Remove the affected person from the source of contamination immediately. Rinse mouth thoroughly.
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4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	If you feel unwell, seek medical advice (show the label where possible). Remove the affected person from the source of contamination immediately.
Eye contact	Avoid prolonged or repeated exposure. Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist.
Skin contact	Avoid contact with eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Avoid contact with skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly. Remove the affected person from the source of contamination immediately.

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

	Move containers away from fire if it can be done without risk. No Significant Hazard. The product is classified as non hazardous. This product is not flammable. Do not empty into drains. Do not empty into drains; dispose of this material and its container in a safe way.
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5.3. Advice for firefighters

	Protective equipment. Self-contained breathing apparatus. Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wash all contaminated clothing before reuse. Wear suitable protective clothing, gloves and eye/face protection.
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6.2. Environmental precautions

	Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains. Do not empty into drains. Do not empty into drains; dispose of this material and its container in a safe way. Environmental precautions.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Empty containers can be sent to landfill after cleaning, if in compliance with Local regulation. local and national regulations. Wear suitable protective clothing, gloves and eye/face protection.
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6.4. Reference to other sections

	See section 2,3,8,13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Keep container tightly closed and dry. Keep locked up and out of the reach of
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7.1. Precautions for safe handling

children. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed and dry. Keep only in the original container. Keep out of the reach of children. Store at temperatures between 5 °C and 25 °C. Store in correctly labelled containers. Store in original container.

Suitable packaging

Store in original container.

7.3. Specific end use(s)

Detergent.

Suitable packaging

Intended use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

See section 8.2 for further information.

8.1.1. Exposure Limit Values

Subtilisin (Subtilisins (Bacillus subtilis Carlsberg))	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 0.00004
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	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:
	ATE ORL-CAT 1- H300:	ATE ORL-CAT 2- H300:
	ATE ORL-CAT 3- H301:	ATE ORL-CAT 4- H302:
	ATE DRM-CAT 1- H310:	ATE DRM-CAT 2- H310:
	ATE DRM-CAT 3- H311:	ATE DRM-CAT 4- H312:
	ATE INH-GAS- CAT 1- H330:	ATE INH-GAS- CAT 2- H330:
	ATE INH-GAS- CAT 3- H331:	ATE INH-GAS- CAT 4- H332:
	ATE INH-VAP- CAT 1- H330:	ATE INH-VAP- CAT 2- H330:
	ATE INH-VAP- CAT 3- H331:	ATE INH-VAP CAT 4- H332:
	ATE INH-D/M- CAT 1- H330:	ATE INH-D/M- CAT 2- H330:
	ATE INH-D/M- CAT 3- H331:	ATE INH-D/M- CAT 4- H332:
PNEC Aqua(Fresh):	PNEC Aqua(Marine):	
PNEC Sediment(Fresh):	PNEC Sediment(Marine):	
PNEC Soil:		

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Control parameters. Engineering measures. Ensure adequate ventilation of the working area. Keep containers tightly closed.

8.2.2. Individual protection measures

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Remove contaminated clothing. Wash all contaminated clothing before reuse. Wear suitable gloves and eye/face protection.

Eye / face protection

Provide eye wash station. Wear eye/face protection.

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8.2. Exposure controls

Skin protection - Handprotection	Wear suitable gloves.
Skin protection - Other	Wear suitable gloves.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour threshold	Not required
pH	13 - 14
Initial boiling point	100
Flash point	48
Evaporation rate	Not required
Vapour pressure	Not required
Relative Vapour Density	Not required
Viscosity	Not determined
Solubility	Soluble in water

9.2. Other information

Specific gravity	1.1 - 1.2
Conductivity	Not determined
Gas group	Not required
Surface tension	Not determined

9.2.1. Information with regard to physical hazard classes

	No data available.
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9.2.2. Other safety characteristics

	No data available.
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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 Significant Hazard.
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10.4. Conditions to avoid

	Do NOT allow to freeze. Keep away from heat. Protect from frost. Store at temperatures between 5 °C and 25 °C.
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10.5. Incompatible materials

	Will not decompose if stored and used as recommended. Avoid contact with: other detergent materials. Do not mix with bleach or strong oxidising agents.
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10.6. Hazardous decomposition products

	Will not decompose if stored and used as recommended.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

	No data available
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11.2 Information on other hazards

No data available.

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal methods

This material and its container must be disposed of in a safe way.

Disposal of packaging

Containers can be recycled if in compliance with Local and national regulations. This material and its container must be disposed of in a safe way.

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)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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15.2. Chemical safety assessment

	[], A chemical safety assessment has not been carried out on the mixture.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. 9 - 9.2.2. Other safety characteristics. 9 - 9.2.1. Information with regard to physical hazard classes. 11 - 11.2 Information on other hazards. 12 - 12.6 Endocrine disrupting properties. 12 - 12.7 Other adverse effects.
Text of Hazard Statements in Section 3	Eye Irrit. 2: H319 - Causes serious eye irritation. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation. Flam. Liq. 3: H226 - Flammable liquid and vapour. Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Acute Tox. 4: H332 - Harmful if inhaled. Aquatic Acute 1: H400 - Very toxic to aquatic life. Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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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