

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 04/10/2022 Revision date: 20/06/2024 Supersedes version of: 06/03/2024 Version: 4.0

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

Product form	: Mixture
Product name	: SOLUCLEAN BIOLOGICAL WASHROOM CLEANER - VIOLET & JASMINE
UFI	: 7DE0-90CE-N00V-88P4
Product code	: SCWS750BWCP
Product group	: End product

1.2.1. Relevant identified uses

Main use category Use of the substance/mixture : Consumer use, Professional use

- : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Solupak Limited California Drive WF10 5QH Castleford, West Yorkshire UK T +44 (0)1924 565 120 sales@solupak.com, www.solupak.com

1.4. Emergency telephone number

Emergency number

: +44 (0)1924 565 120

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

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Contains	: REACTION PRODUCT OF BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4-METHYL- AND SODIUM HYDROXIDE
Hazard statements (CLP)	: H318 - Causes serious eye damage.
Precautionary statements (CLP)	: P102 - Keep out of reach of children.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
	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 or doctor.
EUH-statements	: EUH208 - Contains LIPASE(9001-62-1), PROTEINASE(9080-56-2), amylase, α -(9000-90-2). May produce an allergic reaction.
2.3. Other hazards	

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
REACTION PRODUCT OF BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4-METHYL- AND SODIUM HYDROXIDE	CAS-No.: - EC-No.: 932-051-8 REACH-no: 01-2119565112- 48	1 – 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
CITRIC ACID ANHYDROUS POWDER	CAS-No.: 77-92-9 EC-No.: 201-069-1 EC Index-No.: 607-750-00-3 REACH-no: 01-2119457026- 42	1 – 10	Eye Irrit. 2, H319 STOT SE 3, H335
amylase, α-	CAS-No.: 9000-90-2 EC-No.: 232-565-6 EC Index-No.: 647-015-00-4	< 1	Resp. Sens. 1, H334
LIPASE	CAS-No.: 9001-62-1 EC-No.: 232-619-9 REACH-no: 01-2119972939- 13	< 1	Resp. Sens. 1, H334
PROTEINASE	CAS-No.: 9080-56-2 EC-No.: 232-991-2 EC Index-No.: 647-013-00-3 REACH-no: 01-2120763416- 51	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 STOT SE 3, H335

Full text of H- and EUH-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effects,	both acute and delayed
Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: None under normal conditions.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam.Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 No fire hazard. No direct explosion hazard. Toxic fumes may be released. 	
5.3. Advice for firefighters		
Firefighting instructions Protection during firefighting	 Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. 	

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
General measures	Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.		
6.1.1. For non-emergency personnel			
Protective equipment :	Wear recommended personal protective equipment.		
Emergency procedures :	Ventilate spillage area. Avoid contact with skin and eyes.		
6.1.2. For emergency responders			
Protective equipment :	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		
Emergency procedures :	Evacuate unnecessary personnel.		

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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up		
For containment Methods for cleaning up Other information	 Using a clean shovel, put the material in a dry container and cover without compressing it. Mechanically recover the product. Dispose of materials or solid residues at an authorized site. 	
6.4. Reference to other sections		

For further information refer to section 13.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Additional hazards when processed Precautions for safe handling	 Not expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. 	
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including a	ny incompatibilities	
Technical measures Storage conditions Packaging materials	 Keep in a cool, well-ventilated place away from heat. Keep cool. Protect from sunlight. Product must only be kept in the original packaging. Store always product in container of same material as original container. 	

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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8.2.2. Personal protection equipment

Personal protective equipment: Wear recommended personal protective equipment.

8.2.2.1. Eye and face protection

Eye protection: Not required for normal conditions of use

8.2.2.2. Skin protection

Skin and body protection: Not required for normal conditions of use

Hand protection: Not required for normal conditions of use

8.2.2.3. Respiratory protection

Respiratory protection:

Not required for normal conditions of use

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

SECTION 9: Physical and chemical properties

Environmental exposure controls:

Avoid release to the environment.

9.1. Information on basic physical and o	chemical properties
Physical state	: Solid
Colour	: red.
Appearance	: Powder.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: Not available
рН	: 5 – 7 5% SOLUTION
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Soluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: No data available
Relative vapour density at 20°C	: No data available
Particle size	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

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9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Strong acids. Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified : Not classified	
amylase, α- (9000-90-2)		
LC50 Inhalation - Rat	> 4.96 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)	
CITRIC ACID ANHYDROUS POWDER (77-92-	-9)	
LD50 oral	5400 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:, 95% CL: 4500 - 6400	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
REACTION PRODUCT OF BENZENESULFOR METHYL- AND SODIUM HYDROXIDE (-	NIC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4-	
LD50 oral rat	≥ 3346 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), 95% CL: 3196 - 3503	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:	
Skin corrosion/irritation	Not classified pH: 5 – 7 5% SOLUTION	
Serious eye damage/irritation	: Causes serious eye damage. pH: 5 – 7 5% SOLUTION	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	

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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
PROTEINASE (9080-56-2)	
STOT-single exposure	May cause respiratory irritation.
CITRIC ACID ANHYDROUS POWDER (77-	92-9)
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
LIPASE (9001-62-1)	
NOAEL (oral, rat, 90 days)	≥ 1248.3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
PROTEINASE (9080-56-2)	
NOAEL (oral, rat, 90 days)	≥ 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents)
CITRIC ACID ANHYDROUS POWDER (77-	92-9)
LOAEL (oral, rat, 90 days)	8000 mg/kg bodyweight Animal: rat
NOAEL (oral, rat, 90 days)	4000 mg/kg bodyweight Animal: rat
Aspiration hazard	: Not classified
SOLUCLEAN BIOLOGICAL WASHROOM	CLEANER - VIOLET & JASMINE
Viscosity, kinematic	Not applicable
LIPASE (9001-62-1)	
Viscosity, kinematic	Not applicable
CITRIC ACID ANHYDROUS POWDER (77-	92-9)
Viscosity, kinematic	Not applicable
REACTION PRODUCT OF BENZENESULF METHYL- AND SODIUM HYDROXIDE (-	ONIC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4-
Viscosity, kinematic	Not applicable
11.2. Information on other hazards	

No additional information available

SECTION 12: Ecological information

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Hazardous to the aquatic environment, short-term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified
LIPASE (9001-62-1)	
LC50 - Fish [1]	> 262.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 262.3 mg/l Test organisms (species): Daphnia magna

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LIPASE (9001-62-1)	
EC50 72h - Algae [1]	94.2 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
PROTEINASE (9080-56-2)	
EC50 - Crustacea [1]	3.6 – 7.8 mg/l Test organisms (species): Daphnia magna
amylase, α- (9000-90-2)	
EC50 - Crustacea [1]	2000 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	212 mg/l Test organisms (species): Daphnia magna
REACTION PRODUCT OF BENZENESULFON METHYL- AND SODIUM HYDROXIDE (-)	IC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4-
LC50 - Fish [1]	5.5 mg/l
EC50 - Crustacea [1]	8.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	25 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	72 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	1.18 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.23 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '72 d'
12.2. Persistence and degradability	
SOLUCLEAN BIOLOGICAL WASHROOM CLE	ANER - VIOLET & JASMINE
Persistence and degradability	Biodegradable.
LIPASE (9001-62-1)	
Persistence and degradability	Not rapidly degradable
PROTEINASE (9080-56-2)	
Persistence and degradability	Not rapidly degradable
amylase, α- (9000-90-2)	
Persistence and degradability	Not rapidly degradable
CITRIC ACID ANHYDROUS POWDER (77-92-	9)
Persistence and degradability	Not rapidly degradable
REACTION PRODUCT OF BENZENESULFON METHYL- AND SODIUM HYDROXIDE (-)	IC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4-
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
SOLUCLEAN BIOLOGICAL WASHROOM CLE	ANER - VIOLET & JASMINE
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Bioaccumulative potential	No bioaccumulation.

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Ecology - soil	Adsorbs into the soil.		
12.5. Results of PBT and vPvB assess	ient		
No additional information available			
12.6. Endocrine disrupting properties			
No additional information available			
12.7. Other adverse effects			
No additional information available			

13.1. Waste treatment methods	
Regional waste regulation	: Dispose of in accordance with relevant local regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	 Dispose in a safe manner in accordance with local/national regulations. Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID					
ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.1. UN number or ID n	umber				
Not regulated for transport					
14.2. UN proper shippin	g name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard o	14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group	14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary information available					

14.6. Special precautions for user

Overland transport Not regulated

Not regulated

Transport by sea

Not regulated

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Air transport

Not regulated

Inland waterway transport Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acr	onyms:
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

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Abbreviations and ac	ronyms:
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH208	Contains LIPASE(9001-62-1), PROTEINASE(9080-56-2), amylase, α -(9000-90-2). May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1

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Full text of H- and EUH-statements:		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
H335	May cause respiratory irritation.	
H412	Harmful to aquatic life with long lasting effects.	
Resp. Sens. 1	Respiratory sensitisation, Category 1	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.