

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Review date: 04/11/2024 Supersedes version of: 10/10/2024 Version: 12.0

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

1.1. Product identifier

Product form : Mixture Product name : Superwash Product code : 1059 Type of product : Detergent Product group : Mixture

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

1.2.1. Relevant identified uses

: Professional use Main use category Use of the substance/mixture : Detergent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Christeyns NV Afrikalaan 182 9000 GENT Belgium

T +32 (0)9/ 223 38 71, F +32 (0)9/ 233 03 44 info@christeyns.be, www.christeyns.com

Distributor

Christeyns UK Ltd. **Rutland Street** GB Bradford BD4 7EA United Kinadom

T +44 (0)1274 39 32 86, F +44 (0)1274 30 91 43 info@christeyns.be, www.christeyns.com

Distributor

Christeyns Food Hygiene Ltd. Ltd 2, Cameron Court, Winwick Quay GB WA2 8RE Warrington, Cheshire United Kingdom

T +44 (0)1925 23 46 96

JK-foodinfo@christeyns.com, www.christeyns.com					
1.4. Emergency telephone number					
Country/Area	Organisation/Company	Address	Emergency number	Comment	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)		
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 1 H318

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

Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

Distributor

Christeyns Technologies Ireland Ltd Station Road F12 YW84 Newtown South Ballindine, Co. Mayo Ireland

T 00353 94 936 4011

info@gannonchemicals.ie, Gannonchemicals.ie

Distributor

Christeyns Technologies Ltd. Mazars, Block 3, Harcout Centre, Harcourt Road IE 2 Dublin Ireland T +353 1 8146022

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

Signal word (CLP) : Danger

Hazard statements (CLP) : H318 - Causes serious eye damage.

Precautionary statements (CLP) : P280 - Wear eye protection.

P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

POISON CENTER or doctor.

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]
Sodium carbonate substance with national workplace exposure limit(s) (RO)	CAS-no: 497-19-8 Einecs nr: 207-838-8 EG annex nr: 011-005-00-2 REACH-no: 01-2119485498- 19	30 – 60	Eye Irrit. 2, H319
Sodium percarbonate	CAS-no: 15630-89-4 Einecs nr: 239-707-6 REACH-no: 01-2119457268- 30	5 – 10	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 (ATE=1034 mg/kg bodyweight) Eye Dam. 1, H318
Sodium disilicate	CAS-no: 1344-09-8 Einecs nr: 215-687-4 EG annex nr: 215-687-4 REACH-no: 01-2119448725- 31	3-5	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and benzenesulfonic acid, 4-methyl-, reaction products with sodium hydroxide	CAS-no: 68411-30-3 Einecs nr: 932-051-8 REACH-no: 01-2119565112- 48	1-3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sodium sulphate substance with national workplace exposure limit(s) (LT, LV)	CAS-no: 7757-82-6 Einecs nr: 231-820-9 REACH-no: 01-2119519226- 43	0.1 – 1	Not classified

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Sodium percarbonate	CAS-no: 15630-89-4 Einecs nr: 239-707-6 REACH-no: 01-2119457268- 30	(10 ≤ C < 25) Eye Irrit. 2, H319 (25 ≤ C < 100) Eye Dam. 1, H318 (25 ≤ C < 100) Acute Tox. 4 (Oral), H302

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

SECTION 4: First aid measures 4.1. Description of first aid measures

Inhalation : Remove person to fresh air and keep comfortable for breathing.

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Skin contact : Wash skin with plenty of water.

Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. Call a physician immediately.

Ingestion : Call a poison center or a doctor if you feel unwell.

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

Acute effects eyes : Serious damage to eyes.

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 : Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : 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

6.1.1. For non-emergency personnel

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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : 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

Precautions for safe handling : 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 any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

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

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side shields (EN 166)

8.2.2.2. Skin protection

Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment

Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	0,4		EN ISO 374-1

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Colour : White + blue points.

Physical state/form : Powder.

Odour : Not available
Odour threshold : Not available

Melting point/range : Not determined as it is not relevant for the characterization of the product
Freezing point : Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range : Not determined as it is not relevant for the characterization of the product
Flammability : Not determined as it is not relevant for the characterization of the product

Lower explosion limit: Does not apply to solids.Upper explosion limit: Does not apply to solids.Flash point: Does not apply to solids.Autoignition temperature: Does not apply to solids.

Decomposition temperature : Only applies to self-reactive substances and mixtures, organic peroxides, and other

substances and mixtures that may decompose.

H : 10.9

pH solution : Not available

Viscosity, kinematic : Does not apply to solids.

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Solubility : Not available

Partition coefficient n-octanol/water (Log Kow) : Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.

Vapour pressure : Not available Vapour pressure at 50°C : Not available Density : 1.09 kg/l Relative density : Not available

Relative vapour density at 20°C : Only applies to gases and liquids.

Particle size : Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

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

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

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

: Not classified Acute toxicity (oral) : Not classified Acute toxicity (dermal) Acute toxicity (inhalation) : Not classified

Sodium carbonate (497-19-8)	
LD50 oral rat	2800 mg/kg bodyweight Animal: rat
LD50 oral	4090 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	1.2 mg/l Source: SIDS

Sodium percarbonate (15630-89-4) LD50 oral 1034 mg/kg bodyweight

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and benzenesulfonic acid, 4-methyl-, reaction products with sodium hydroxide (68411-30-3)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Sodium sulphate (7757-82-6)

outum outprints (1707 of o)	
LD50 oral rat	10000 mg/kg
LD50 oral	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.4 mg/l/4h

Skin corrosion/irritation : Not classified

pH: 10.9

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Sodium carbonate (497-19-8)		
рН	≈ 11.6 Concentration: (≈)0,1 other:	
Serious eye damage/irritation :	Causes serious eye damage.	
	pH: 10.9	
Sodium carbonate (497-19-8)		
рН	≈ 11.6 Concentration: (≈)0,1 other:	
Respiratory or skin sensitisation :	Not classified	
Germ cell mutagenicity :	Not classified	
Carcinogenicity :	Not classified	
Reproductive toxicity :	Not classified	
STOT-single exposure :	Not classified	
Sodium disilicate (1344-09-8)		
STOT-single exposure	May cause respiratory irritation.	

Benzenesulfonic acid, 4-C10-13-sec-alkyl deri hydroxide (68411-30-3)	ivs. and benzenesulfonic acid, 4-methyl-, reaction products with sodium
LOAFI (L (OO L)	445 (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

: Not classified

LOAEL (oral, rat, 90 days) 145 mg/kg bodyweight/day

Aspiration hazard : Not classified

Superwash	
Viscosity, kinematic	Does not apply to solids.

11.2. Information on other hazards

No additional information available

STOT-repeated exposure

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term

adverse effects in the environment.

Hazardous to the aquatic environment, short-term

: Not classified

Hazardous to the aquatic environment, long-term

(chronic)

: Not classified

· /		
Sodium carbonate (497-19-8)		
LC50 - Fish [1]	300 mg/l Test organisms (species): Lepomis macrochirus	
EC50 - Crustacea [1]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.	
EC50 - Crustacea [2]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.	
EC50 - Other aquatic organisms [1]	265 mg/l waterflea	
EC50 96h - Algae [1]	242 mg/l Source: ECOTOX	
Sodium percarbonate (15630-89-4)		
LC50 - Fish [1]	> 70 mg/l	
EC50 - Crustacea [1]	4.9 mg/l (Daphnia pulex)	
EC50 - Other aquatic organisms [1]	4.9 mg/l waterflea	
ErC50 algae	> 7.7 mg/l Source: SIDS	
NOEC (acute)	2 mg/l	
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and benzenesulfonic acid, 4-methyl-, reaction products with sodium hydroxide (68411-30-3)		
LC50 - Fish [1]	> 1 (≤ 10) mg/l	
Sodium sulphate (7757-82-6)		
LC50 - Fish [1]	7960 mg/l	

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Sodium sulphate (7757-82-6)		
EC50 - Crustacea [1] 4580 mg/l		
EC50 - Other aquatic organisms [1]	4580 mg/l waterflea	
EC50 - Other aquatic organisms [2] 1900 mg/l		
12.2. Paraistance and degradability		

12.2. Persistence and degradability		
Superwash		
Persistence and degradability	Not rapidly degradable	
Sodium carbonate (497-19-8)		
Persistence and degradability Rapidly degradable		
Sodium disilicate (1344-09-8)		
Persistence and degradability	Rapidly degradable	
Sodium percarbonate (15630-89-4)		
Persistence and degradability	Rapidly degradable	
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and benzenesulfonic acid, 4-methyl-, reaction products with sodium hydroxide (68411-30-3)		
Persistence and degradability	Rapidly degradable	
Sodium sulphate (7757-82-6)		

12.3. Bioaccumulative potential

Persistence and degradability

12.5. bloaccumulative potential		
Superwash		
Partition coefficient n-octanol/water (Log Kow)	Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.	
Sodium carbonate (497-19-8)		
Log Pow	-6.19 Source: Quantitative Structure Activity Relation	
Sodium sulphate (7757-82-6)		
Log Pow	-3	

Rapidly degradable

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
Not regulated for transport		
14.2. UN proper shipping name		
Not regulated Not regulated Not regulated		Not regulated
14.3. Transport hazard class(es)		
Not regulated Not regulated Not regulated		Not regulated

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ADR	IMDG	IATA
14.4. Packing group		
Not regulated Not regulated Not regulated		Not regulated
14.5. Environmental hazards		
Not regulated Not regulated Not regulated		Not regulated
No supplementary information available		

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air 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)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Detergent Regulation (648/2004)

Labelling of contents		
Component %		
Oxygen-based bleaching agents	5-15%	
anionic surfactants, non-ionic surfactants		
enzymes		
optical brighteners		
perfumes		

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 no 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

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15.2. Chemical safety assessmentNo chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Review date	Modified	
	Supersedes	Modified	
	Date first issue	Modified	
1.1	UFI on SDS 1.1	Removed	

Abbreviations and acronyms:		
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	
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	
IATA	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	
PBT	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	

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Abbreviations and acronyms:	
ED	Endocrine disrupting properties

Other information

: It is recommended to pass the information from this safety data sheet in an appropriate form to the users. The information is currently to the best of our knowledge and believed to be accurate and reliable. This information relates to the specifically named product and may not be valid in combination with other products.

This safety data sheet is in compliance with 1907/2006/EEC. It is the responsibility of the user to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H272	May intensify fire; oxidiser.	
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H335	May cause respiratory irritation.	
H412	Harmful to aquatic life with long lasting effects.	
Ox. Sol. 2	Oxidising Solids, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CL		
Eye Dam. 1	H318	Calculation method

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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.

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