

Clax Omin G 37C1
Clax Omin Pur-Eco 37C1

Revision: 2024-08-02

Version: 04.0

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

1.1 Product identifier

Trade name: Clax Omin G 37C1
Clax Omin Pur-Eco 37C1

UFI: 532J-913Y-H003-GC8H

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

Product use: Laundry detergent.
Uses advised against: Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :

AISE_SWED_PW_8a_2
PC35-Washing and cleaning products
AISE_SWED_PW_1_1
AISE_SWED_PW_4_1
AISE_SWED_PW_19_1
PC35-Washing and cleaning products

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssebroeksedijk 2, 3542DN Utrecht], The Netherlands

Contact details

Tandur Hf.
Hesthålsi 12, 110 Reykjavík
Tel. 5101200, Email: tandur@tandur.is

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible).
Poison Center: (+354) 543-2222
Emergency services: 112.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Eye irritation, Category 2 (H319)

2.2 Label elements



Signal word: Warning.

Hazard statements:

H319 - Causes serious eye irritation.

Precautionary statements:

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
sodium percarbonate	239-707-6	15630-89-4	01-211945726 8-30	Oxidising solids, Category 3 (H272) Acute toxicity - Oral, Category 4 (H302) Serious eye damage, Category 1 (H318)		10-20
sodium carbonate	207-838-8	497-19-8	01-211948549 8-19	Eye irritation, Category 2 (H319)		3-10
C12-14 alcohols, ethoxylated (7EO)	[4]	68439-50-9	[4]	Acute toxicity - Oral, Category 4 (H302) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)		3-10
disodium disilicate	215-687-4	1344-09-8	01-211944872 5-31	Specific target organ toxicity - Single exposure, Category 3 (H335) Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318)		1-3

Specific concentration limits

sodium percarbonate:

- Serious eye damage, Category 1 (H318) >= 25% > Eye irritation, Category 2 (H319) >= 7.5%

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Get medical attention or advice if you feel unwell.
Skin contact:	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
Eye contact:	Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.
Ingestion:	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
Self-protection of first aider:	Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No known effects or symptoms in normal use.
Skin contact:	No known effects or symptoms in normal use.
Eye contact:	Causes severe irritation.
Ingestion:	No known effects or symptoms in normal use.

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

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear eye/face protection.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up

Collect mechanically. Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire and explosions:

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Follow general hygiene considerations recognised as common good workplace practices. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Do not mix with other products unless advised by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. Keep out of reach of children.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

Air limit values, if available:

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values

Human exposure

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
sodium percarbonate	-	-	-	-
sodium carbonate	-	-	-	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
disodium disilicate	-	-	-	0.8

DNEL/DMEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
sodium percarbonate	12.8 mg/cm ² skin	-	12.8 mg/cm ² skin	-
sodium carbonate	-	-	No data available	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
disodium disilicate	No data available	-	No data available	1.59

DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
sodium percarbonate	6.4 mg/cm ² skin	-	6.4 mg/cm ² skin	-
sodium carbonate	No data available	-	No data available	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
disodium disilicate	No data available	-	No data available	0.8

DNEL/DMEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
sodium percarbonate	-	-	5	-
sodium carbonate	-	-	10	-

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C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
disodium disilicate	-	-	-	5.61

DNEL/DNEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
sodium percarbonate	-	-	-	-
sodium carbonate	10	-	-	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
disodium disilicate	-	-	-	1.38

Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
sodium percarbonate	0.035	0.035	0.035	16.24
sodium carbonate	-	-	-	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
disodium disilicate	7.5	1	7.5	348

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m ³)
sodium percarbonate	-	-	-	-
sodium carbonate	-	-	-	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
disodium disilicate	-	-	-	-

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
PC35-Washing and cleaning products	PC35-Washing and cleaning products	C	-	-	ERC8a
Manual transfer and dilution	AISE_SWED_PW_8a_2	PW	PROC 8a	60	ERC8a

Personal protective equipment

Eye / face protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions.
Body protection: No special requirements under normal use conditions.
Respiratory protection: If exposure to dust cannot be avoided use: full-face mask (EN 136) with filter type HEPA (N100, Class H14) (EN 1822) or self-contained or compressed air breathing apparatus (EN 137 / EN 138). Consider specific local use conditions. In consultation with the supplier of respiratory protection equipment a different type providing similar protection may be chosen.

Environmental exposure controls: No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (% w/w): 0.6

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: No special requirements under normal use conditions.

REACH use scenarios considered for the diluted product:

	SWED	LCS	PROC	Duration (min)	ERC
PC35-Washing and cleaning products	PC35-Washing and	C	-	-	ERC8a

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	cleaning products				
Automatic application in a dedicated closed system	AISE_SWED_PW_1_1	PW	PROC 1	480	ERC8a
Manual application	AISE_SWED_PW_19_1	PW	PROC 19	480	ERC8a
Automatic application in a dedicated system	AISE_SWED_PW_4_1	PW	PROC 4	480	ERC8a

Personal protective equipment

Eye / face protection:	No special requirements under normal use conditions.
Hand protection:	No special requirements under normal use conditions.
Body protection:	No special requirements under normal use conditions.
Respiratory protection:	No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

	Method / remark
Physical state: Solid	
Colour: White	
Odour: Product specific	
Odour threshold: Not applicable	
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	Not applicable to solids or gases

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
sodium percarbonate	Product decomposes before boiling		
sodium carbonate	1600	Method not given	1013
C12-14 alcohols, ethoxylated (7EO)	No data available		
disodium disilicate	> 100	Method not given	

Method / remark

Flammability (solid, gas): Not determined
Flammability (liquid): Not applicable.
Flash point (°C): Not applicable.
Sustained combustion: Not applicable.
(UN Manual of Tests and Criteria, section 32, L.2)
Lower and upper explosion limit/flammability limit (%): Not determined

Substance data, flammability or explosive limits, if available:

Method / remark

Autoignition temperature: Not determined
Decomposition temperature: Not applicable.
pH: Not applicable
Dilution pH: ≈ 10 (0.6 %)
Kinematic viscosity: Not applicable to solids or gases
Solubility in / Miscibility with water: Soluble

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
sodium percarbonate	140	Method not given	20
sodium carbonate	210-215	Method not given	20
C12-14 alcohols, ethoxylated (7EO)	Soluble	Method not given	
disodium disilicate	Soluble	Method not given	20

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Method / remark

Vapour pressure: Not determined
 See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
sodium percarbonate	Negligible		

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sodium carbonate	Negligible		
C12-14 alcohols, ethoxylated (7EO)	No data available		
disodium disilicate	No data available		

Relative density: ≈ 0.80 (20 °C)
Relative vapour density: No data available.
Particle characteristics: Not determined.

Method / remark
OECD 109 (EU A.3)
Not applicable to solids
Not relevant to classification of this product.

9.2 Other information**9.2.1 Information with regard to physical hazard classes**

Explosive properties: Not explosive.
Oxidising properties: Not oxidising.
Corrosion to metals: Not determined

Not applicable to solids or gases

9.2.2 Other safety characteristics

No other relevant information available.

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 storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Mixture data: .

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

Eye irritation and corrosivity

Result: Eye irritant 2 **Method:** Weight of evidence

Substance data, where relevant and available, are listed below:.

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Oral (mg/kg)
sodium percarbonate	LD ₅₀	1034	Rat	Method not given		1034
sodium carbonate	LD ₅₀	2800	Rat	OECD 401 (EU B.1)		2800
C12-14 alcohols, ethoxylated (7EO)	LD ₅₀	> 300 - 2000	Rat	Read across		Not established
disodium disilicate	LD ₅₀	3400	Rat	Method not given		Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
sodium percarbonate	LD ₅₀	> 2000	Rabbit	OECD 402 (EU B.3)		Not established
sodium carbonate	LD ₅₀	> 2000	Rabbit	Method not given		Not established
C12-14 alcohols, ethoxylated (7EO)	LD ₅₀	> 2000	Rabbit	Method not given		Not established

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disodium disilicate	LD ₅₀	> 5000	Rat	Method not given	Not established
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Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium percarbonate		No data available			
sodium carbonate	LC ₅₀	> 2.3 (dust)		Weight of evidence	2
C12-14 alcohols, ethoxylated (7EO)		No data available			
disodium disilicate	LC ₅₀	> 2.06 No mortality observed	Rat	Non guideline test	

Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust (mg/l)	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas (mg/l)
sodium percarbonate	Not established	Not established	Not established	Not established
sodium carbonate	Not established	Not established	Not established	Not established
C12-14 alcohols, ethoxylated (7EO)	Not established	Not established	Not established	Not established
disodium disilicate	Not established	Not established	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
sodium percarbonate	Not irritant	Rabbit	Method not given	
sodium carbonate	Not irritant	Rabbit	OECD 404 (EU B.4)	
C12-14 alcohols, ethoxylated (7EO)	Not irritant		Read across	
disodium disilicate	Irritant		Method not given	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
sodium percarbonate	Severe damage	Rabbit	EPA OPP 81-4	
sodium carbonate	Irritant	Rabbit	OECD 405 (EU B.5)	
C12-14 alcohols, ethoxylated (7EO)	Severe damage	Rabbit	Read across	
disodium disilicate	Severe damage		Method not given	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
sodium percarbonate	Irritating to respiratory tract	Mouse	Method not given	
sodium carbonate	No data available			
C12-14 alcohols, ethoxylated (7EO)	No data available			
disodium disilicate	Irritating to respiratory tract		Method not given	

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
sodium percarbonate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
sodium carbonate	Not sensitising		Method not given	
C12-14 alcohols, ethoxylated (7EO)	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
disodium disilicate	Not sensitising		Method not given	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
sodium percarbonate	No data available			
sodium carbonate	No data available			
C12-14 alcohols, ethoxylated (7EO)	No data available			
disodium disilicate	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)

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sodium percarbonate	No data available		No data available
sodium carbonate	No data available		No data available
C12-14 alcohols, ethoxylated (7EO)	No evidence for mutagenicity, negative test results	Read across	No data available
disodium disilicate	No evidence for mutagenicity, negative test results		No data available

Carcinogenicity

Ingredient(s)	Effect
sodium percarbonate	No data available
sodium carbonate	No evidence for carcinogenicity, weight-of-evidence
C12-14 alcohols, ethoxylated (7EO)	No data available
disodium disilicate	No evidence for carcinogenicity, negative test results

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
sodium percarbonate			No data available				
sodium carbonate			No data available				
C12-14 alcohols, ethoxylated (7EO)			No data available				
disodium disilicate			No data available				No evidence for reproductive toxicity

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium percarbonate		No data available				
sodium carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
disodium disilicate	NOAEL	> 159	Rat	Method not given	180	No effects observed

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium percarbonate		No data available				
sodium carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
disodium disilicate		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium percarbonate		No data available				
sodium carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
disodium disilicate		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
sodium percarbonate			No data available					
sodium carbonate			No data available					
C12-14 alcohols, ethoxylated (7EO)			No data available					
disodium disilicate			No data available					

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STOT-single exposure

Ingredient(s)	Affected organ(s)
sodium percarbonate	No data available
sodium carbonate	Not applicable
C12-14 alcohols, ethoxylated (7EO)	No data available
disodium disilicate	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
sodium percarbonate	No data available
sodium carbonate	Not applicable
C12-14 alcohols, ethoxylated (7EO)	No data available
disodium disilicate	Not applicable

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**

Endocrine disrupting properties - Human data, if available:

11.2.2 Other information

No other relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture .

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium percarbonate	LC ₅₀	70.7	<i>Pimephales promelas</i>	Method not given	96
sodium carbonate	LC ₅₀	300	<i>Lepomis macrochirus</i>	Method not given	96
C12-14 alcohols, ethoxylated (7EO)	LC ₅₀	> 1 - 10	<i>Brachydanio rerio</i>	Read across	96
disodium disilicate	LC ₅₀	1108	<i>Brachydanio rerio</i>	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium percarbonate	EC ₅₀	4.9	<i>Daphnia pulex</i>	Method not given	48
sodium carbonate	EC ₅₀	200-227	<i>Ceriodaphnia dubia</i>	Method not given	96
C12-14 alcohols, ethoxylated (7EO)	EC ₅₀	> 1 - 10	<i>Daphnia magna Straus</i>	Method not given	48
disodium disilicate	EC ₅₀	1700	<i>Daphnia magna Straus</i>	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium percarbonate	EC ₅₀	2.5	<i>Chlorella vulgaris</i>	Read across	
sodium carbonate	EC ₅₀	> 800	<i>Selenastrum capricornutum</i>		72
C12-14 alcohols, ethoxylated (7EO)	NOEC	> 0.1 - 1	<i>Not specified</i>	DIN 38412, Part 9 OECD 201 (EU C.3)	
disodium disilicate	EC ₅₀	207	<i>Desmodesmus subspicatus</i>	Method not given	72

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Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
sodium percarbonate		No data available			
sodium carbonate		No data available			
C12-14 alcohols, ethoxylated (7EO)		No data available			
disodium disilicate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
sodium percarbonate	EC ₅₀	466	Activated sludge	OECD 209	0.5 hour(s)
sodium carbonate		No data available			
C12-14 alcohols, ethoxylated (7EO)		> 1000	Activated sludge	DEV-L2	
disodium disilicate		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium percarbonate	NOEC	7.4	<i>Pimephales promelas</i>	Method not given	96 hour(s)	
sodium carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)	EC ₅₀	10-100	Not specified	Method not given	96 hour(s)	
disodium disilicate	NOEC	348	<i>Brachydanio rerio</i>	Method not given	96 hour(s)	

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium percarbonate	NOEC	2	<i>Daphnia pulex</i>	Method not given	48 hour(s)	
sodium carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)	EC ₅₀	10-100	Not specified	Method not given	48 hour(s)	
disodium disilicate		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
sodium percarbonate		No data available				
sodium carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
disodium disilicate		No data available				

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available				

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
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sodium carbonate		No data available				
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Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available				

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available				

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available				

12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
sodium percarbonate	NA	Method not given		
sodium carbonate	No data available			

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
sodium percarbonate	< 1 day(s)	Method not given	Hydrolysible	
sodium carbonate	No data available		Rapidly hydrolysible	

Abiotic degradation - other processes, if available:

Ingredient(s)	Type	Half-life time	Method	Evaluation	Remark
sodium carbonate		No data available			

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
sodium percarbonate					Not applicable (inorganic substance)
sodium carbonate					Not applicable (inorganic substance)
C12-14 alcohols, ethoxylated (7EO)		CO ₂ production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
disodium disilicate					Not applicable (inorganic substance)

Ready biodegradability - anaerobic and marine conditions, if available:

Ingredient(s)	Medium & Type	Analytical method	DT ₅₀	Method	Evaluation
sodium carbonate					No data available

Degradation in relevant environmental compartments, if available:

Ingredient(s)	Medium & Type	Analytical method	DT ₅₀	Method	Evaluation
sodium carbonate					No data available

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
sodium percarbonate	No data available			
sodium carbonate	No data available		No bioaccumulation expected	
C12-14 alcohols, ethoxylated (7EO)	No data available		No bioaccumulation expected	
disodium disilicate	No data available		Low potential for bioaccumulation	

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Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
sodium percarbonate	No data available				
sodium carbonate	No data available			No bioaccumulation expected	
C12-14 alcohols, ethoxylated (7EO)	No data available				
disodium disilicate	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
sodium percarbonate	No data available				High potential for mobility in soil
sodium carbonate	No data available				Potential for mobility in soil, soluble in water
C12-14 alcohols, ethoxylated (7EO)	No data available	≥ 4			Potential for adsorption to soil
disodium disilicate	No data available				

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 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods**Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

Empty packaging**Recommendation:**

Dispose of observing national or local regulations.

SECTION 14: Transport information

Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**14.1 UN number or ID number:** Non-dangerous goods**14.2 UN proper shipping name:** Non-dangerous goods**14.3 Transport hazard class(es):** Non-dangerous goods**14.4 Packing group:** Non-dangerous goods**14.5 Environmental hazards:** Non-dangerous goods**14.6 Special precautions for user:** Non-dangerous goods**14.7 Maritime transport in bulk according to IMO instruments:** Non-dangerous goods

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) No 1272/2008 - CLP
- Regulation (EC) No. 648/2004 - Detergents regulation
- substances identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code
- Regulation (EU) 2019/1148 - Explosive Precursors

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Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

Ingredients according to EC Detergents Regulation 648/2004

zeolites	15 - 30 %
oxygen-based bleaching agents, non-ionic surfactants	5 - 15 %
soap	< 5 %
enzymes	

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Seveso - Classification: Not classified

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

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Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- 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.

End of Safety Data Sheet