Safety Data Sheet

According to Regulation (EC) No 1907/2006

Via Professional Color Sensitive S

Revision: 2023-10-10 **Version:** 02.2

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

1.1 Product identifier
Trade name: Via Professional Color Sensitive S
Via is a registered trade mark and is used under licence of Unilever

UFI: R467-70FS-N003-WMYF

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_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, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

Contact details
Diversey Sverige AB
Liljeholmsstranden 3, plan 6/ 4 tr, SE-117 61 Stockholm, Tel: 08-7799300
E-mail: info.se@diversey.com

1.4 Emergency telephone number
Seek medical advice (show the label or safety data sheet where possible).
112 – begär Giftinformation.

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

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
sodium carbonate	207-838-8	497-19-8	01-2119485498-19	Eye irritation, Category 2 (H319)		20-30
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
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	273-257-1	68955-19-1	01-2119490225-39	Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)		1-3
C12-14 alcohols, ethoxylated (3EO)	[4]	68439-50-9	[4]	Eye irritation, Category 2 (H319) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 3 (H412)		1-3

Specific concentration limits
sulphuric acid, mono-C12-18-alkyl esters, sodium salts:
• Serious eye damage, Category 1 (H318) >= 20% > Eye irritation, Category 2 (H319) >= 10%

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.

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 adviced 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 carbonate	-	-	-	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	-	-	-	24
C12-14 alcohols, ethoxylated (3EO)	-	-	-	-

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 carbonate	-	-	No data available	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	-	-	-	4060
C12-14 alcohols, ethoxylated (3EO)	-	-	-	-

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 carbonate	No data available	-	No data available	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	-	-	-	2440
C12-14 alcohols, ethoxylated (3EO)	-	-	-	-

DNEL/DMEL inhalatory exposure - Worker (mg/m^3)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
sodium carbonate	-	-	10	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	-	-	-	285
C12-14 alcohols, ethoxylated (3EO)	-	-	-	-

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

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
sodium carbonate	10	-	-	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	-	-	-	85
C12-14 alcohols, ethoxylated (3EO)	-	-	-	-

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 carbonate	-	-	-	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	0.098	0.0098	0.013	6.8
C12-14 alcohols, ethoxylated (3EO)	-	-	-	-

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
sodium carbonate	-	-	-	-
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	3.45	0.345	0.631	-
C12-14 alcohols, ethoxylated (3EO)	-	-	-	-

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): 0.5

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 cleaning products	C	-	-	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 carbonate	1600	Method not given	1013
C12-14 alcohols, ethoxylated (7EO)	No data available		
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	208	OECD 103 (EU A.2)	
C12-14 alcohols, ethoxylated (3EO)	No data available		

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 (0.5 %) — ISO 4316
Kinematic viscosity: Not applicable to solids or gases — 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 carbonate	210-215	Method not given	20
C12-14 alcohols, ethoxylated (7EO)	Soluble	Method not given	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	Soluble		
C12-14 alcohols, ethoxylated (3EO)	Insoluble		

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 carbonate	Negligible		
C12-14 alcohols, ethoxylated (7EO)	No data available		
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	< 0.1	Method not given	25
C12-14 alcohols, ethoxylated (3EO)	No data available		

	Method / remark
Relative density: ≈ 0.80 (20 °C)	OECD 109 (EU A.3)
Relative vapour density: No data available.	Not applicable to solids
Particle characteristics: Not determined.	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 (mg/kg)
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
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	LD_{50}	4010	Rat	OECD 401 (EU B.1)		2600
C12-14 alcohols, ethoxylated (3EO)	LD_{50}	> 5000	Rat	OECD 401 (EU B.1)		Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
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
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	LD_{50}	> 2000		Method not given		Not established
C12-14 alcohols, ethoxylated (3EO)		No data available				Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value	Species	Method	Exposure

		(mg/l)			time (h)
sodium carbonate	LC_{50}	> 2.3 (dust)		Weight of evidence	2
C12-14 alcohols, ethoxylated (7EO)		No data available			
sulphuric acid, mono-C12-18-alkyl esters, sodium salts		No data available			
C12-14 alcohols, ethoxylated (3EO)		No data available			

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 carbonate	Not established	Not established	Not established	Not established
C12-14 alcohols, ethoxylated (7EO)	Not established	Not established	Not established	Not established
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	Not established	Not established	Not established	Not established
C12-14 alcohols, ethoxylated (3EO)	Not established	Not established	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
sodium carbonate	Not irritant	Rabbit	OECD 404 (EU B.4)	
C12-14 alcohols, ethoxylated (7EO)	Not irritant		Read across	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	Irritant	Rabbit	OECD 404 (EU B.4)	
C12-14 alcohols, ethoxylated (3EO)	Not irritant			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
sodium carbonate	Irritant	Rabbit	OECD 405 (EU B.5)	
C12-14 alcohols, ethoxylated (7EO)	Severe damage	Rabbit	Read across	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	Severe damage	Rabbit	OECD 405 (EU B.5)	
C12-14 alcohols, ethoxylated (3EO)	Irritant			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
sodium carbonate	No data available			
C12-14 alcohols, ethoxylated (7EO)	No data available			
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	Irritating to respiratory tract		Method not given	
C12-14 alcohols, ethoxylated (3EO)	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
sodium carbonate	Not sensitising		Method not given	
C12-14 alcohols, ethoxylated (7EO)	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
C12-14 alcohols, ethoxylated (3EO)	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
sodium carbonate	No data available			
C12-14 alcohols, ethoxylated (7EO)	No data available			
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	No data available			
C12-14 alcohols, ethoxylated (3EO)	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)
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	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
C12-14 alcohols, ethoxylated (3EO)	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
sodium carbonate	No evidence for carcinogenicity, weight-of-evidence
C12-14 alcohols, ethoxylated (7EO)	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	No evidence for carcinogenicity, weight-of-evidence
C12-14 alcohols, ethoxylated (3EO)	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
sodium carbonate			No data available				
C12-14 alcohols, ethoxylated (7EO)			No data available				
sulphuric acid, mono-C12-18-alkyl esters, sodium salts			No data available				No evidence for reproductive toxicity
C12-14 alcohols, ethoxylated (3EO)			No data available				

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 carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
sulphuric acid, mono-C12-18-alkyl esters, sodium salts		No data available				
C12-14 alcohols, ethoxylated (3EO)		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
sulphuric acid, mono-C12-18-alkyl esters, sodium salts		No data available				
C12-14 alcohols, ethoxylated (3EO)		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 carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
sulphuric acid, mono-C12-18-alkyl esters, sodium salts		No data available				
C12-14 alcohols, ethoxylated (3EO)		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 carbonate			No data available					
C12-14 alcohols, ethoxylated (7EO)			No data available					
sulphuric acid, mono-C12-18-alkyl esters, sodium salts			No data available					
C12-14 alcohols, ethoxylated (3EO)			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
sodium carbonate	No data available
C12-14 alcohols, ethoxylated (7EO)	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	No data available
C12-14 alcohols, ethoxylated (3EO)	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
sodium carbonate	No data available
C12-14 alcohols, ethoxylated (7EO)	No data available
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	No data available
C12-14 alcohols, ethoxylated (3EO)	No data available

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 carbonate	LC_{50}	300	*Lepomis macrochirus*	Method not given	96
C12-14 alcohols, ethoxylated (7EO)	LC_{50}	> 1 - 10	*Brachydanio rerio*	Read across	96
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	LC_{50}	1-10	*Brachydanio rerio*	OECD 203, flow-through	96
C12-14 alcohols, ethoxylated (3EO)	LC_{50}	> 1-<10	*Brachydanio rerio*		96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium carbonate	EC_{50}	200-227	*Ceriodaphnia dubia*	Method not given	96
C12-14 alcohols, ethoxylated (7EO)	EC_{50}	> 1 - 10	*Daphnia magna Straus*	Method not given	48
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	EC_{50}	1 - 10	*Daphnia magna Straus*	OECD 202, static	48
C12-14 alcohols, ethoxylated (3EO)	EC_{50}	> 0.1-<1	*Daphnia magna Straus*		48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium carbonate	EC_{50}	> 800	*Selenastrum capricornutum*		72
C12-14 alcohols, ethoxylated (7EO)	NOEC	> 0.1 - 1	*Not specified*	DIN 38412, Part 9 OECD 201 (EU C.3)	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	EC_{50}	10 - 100	*Desmodesmus subspicatus*	OECD 201 (EU C.3)	72
C12-14 alcohols, ethoxylated (3EO)	NOEC	> 0.1-<1	*Desmodesmus subspicatus*		

Aquatic short-term toxicity - marine species

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

sulphuric acid, mono-C12-18-alkyl esters, sodium salts		No data available			
C12-14 alcohols, ethoxylated (3EO)		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
sodium carbonate		No data available			
C12-14 alcohols, ethoxylated (7EO)		> 1000	*Activated sludge*	DEV-L2	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	EC_0	> 100	*Bacteria*	DIN 38412, Part 27 OECD 209	
C12-14 alcohols, ethoxylated (3EO)	EC_0	> 10000	*Pseudomonas putida*	DIN 38412 / Part 8	

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)	EC_{50}	10-100	*Not specified*	Method not given	96 hour(s)	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	NOEC	≤ 1	*Not specified*	Method not given		
C12-14 alcohols, ethoxylated (3EO)		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)	EC_{50}	10-100	*Not specified*	Method not given	48 hour(s)	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	NOEC	≤ 1	*Not specified*	Method not given		
C12-14 alcohols, ethoxylated (3EO)		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 carbonate		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				
sulphuric acid, mono-C12-18-alkyl esters, sodium salts		No data available				
C12-14 alcohols, ethoxylated (3EO)		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
sodium carbonate		No data available				

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 carbonate	No data available			

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
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 carbonate					Not applicable (inorganic substance)
C12-14 alcohols, ethoxylated (7EO)		CO_2 production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	Activated sludge, aerobe	CO_2 production	93% in 28 day(s)	OECD 301B	Readily biodegradable
C12-14 alcohols, ethoxylated (3EO)	Activated sludge, aerobe	CO_2 production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable

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 carbonate	No data available		No bioaccumulation expected	
C12-14 alcohols, ethoxylated (7EO)	No data available		No bioaccumulation expected	
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	≤ -2.1	OECD 107	No bioaccumulation expected	
C12-14 alcohols, ethoxylated (3EO)	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
sodium carbonate	No data available			No bioaccumulation expected	
C12-14 alcohols, ethoxylated (7EO)	No data available				
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	No data available				
C12-14 alcohols, ethoxylated (3EO)	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 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
sulphuric acid, mono-C12-18-alkyl esters, sodium salts	No data available				
C12-14 alcohols, ethoxylated (3EO)	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.
European Waste Catalogue: 20 01 29* - detergents containing dangerous substances.

Empty packaging
Recommendation: Dispose of observing national or local regulations.

Diversey Sweden AB is registered with the FTI (collection of packagings and paper)

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

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 %
non-ionic surfactants	5 - 15 %
anionic surfactants, 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

Other ingredients
CI 77891

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

SDS code: MS1003887 **Version:** 02.2 **Revision:** 2023-10-10

Reason for revision:
Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s):, 1, 3, 6, 8, 9, 11, 12, 16

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
- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H400 - Very toxic to aquatic life.
- H412 - Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet