Suma Bac D10 (Diversey-Suma)

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Safety Data Sheet

According to Regulation (EC) No 1907/2006

Suma Bac D10

Revision: 2021-11-21 Version: 07.0

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

1.1 Product identifier

Trade name: Suma Bac D10

UFI: 68D4-00Y1-P009-G585

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

Product use: Surface disinfectant.

Hard surface cleaner.

For professional use only.

Uses advised against: Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :

AISE_SWED_PW_1_1

AISE_SWED_PW_8a_1

AISE_SWED_PW_4_1

AISE_SWED_PW_10_1

AISE_SWED_PW_11_1

AISE_SWED_PW_19_1

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

Contact details

Diversey Ltd

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: customerservice.uk@diversey.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)

For medical or environmental emergency only:

call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Irrit. 2 (H315)

Eye Dam. 1 (H318)

Aquatic Acute 1 (H400)

Aquatic Chronic 2 (H411)

Met. Corr. 1 (H290)

2.2 Label elements

Signal word: Danger.

Contains alkyldimethylbenzylammoniumchloride (Benzalkonium Chloride), alkyl alcohol ethoxylate (Trideceth-8)

Hazard statements:

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H410 - Very toxic to aquatic life with long lasting effects.
H290 - May be corrosive to metals.

Precautionary statements:
P280 - Wear eye or face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
P310 - Immediately call a POISON CENTRE, doctor or physician.
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
alkyldimethylbenzylammoniumchloride 270-325-2 68424-85-1 [6] Skin Corr. 1B (H314) 3-10
Acute Tox. 4 (H302)
Acute Tox. 4 (H312)
Eye Dam. 1 (H318)
Aquatic Acute 1 M=10
(H400)
Aquatic Chronic 1
(H410)
alkyl alcohol ethoxylate [4] 69011-36-5 [4] Acute Tox. 4 (H302) 3-10
Eye Dam. 1 (H318)
sodium carbonate 207-838-8 497-19-8 01-2119485498-19 Eye Irrit. 2 (H319) 1-3
Specific concentration limits
alkyl alcohol ethoxylate:
• Eye Dam. 1 (H318) >= 10% > Eye Irrit. 2 (H319) >= 1%
Workplace exposure limit(s), if available, are listed in subsection 8.1.
ATE, if available, are listed in section 11.
[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included
for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.
[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.
[6] Exempted: biocidal active. See Article 15(2) 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: Take off immediately all contaminated clothing and wash it before reuse.
Eye contact: Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove
contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE,
doctor or physician.
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: Causes irritation.
Eye contact: Causes severe or permanent damage.

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 suitable gloves. Wear eye/face protection.

6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Inform

responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). 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:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with

other products unless adviced by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing.

Wash contaminated clothing before reuse. Avoid contact with skin and 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 from freezing.

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

Comah - Lower Tier requirements (tonnes): 100

Comah - Upper Tier requirements (tonnes): 200

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 oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
alkyldimethylbenzylammoniumchloride	-	-	3.4	
alkyl alcohol ethoxylate	-	-	-	-
sodium carbonate	-	-	-	-

DNEL 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)
alkyldimethylbenzylammoniumchloride	-	-	5.7	
alkyl alcohol ethoxylate	-	-	-	-
sodium carbonate	-	-	No data available	-

DNEL 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)
alkyldimethylbenzylammoniumchloride	-	-	3.4	
alkyl alcohol ethoxylate	-	-	-	-
sodium carbonate	No data available	-	No data available	-

DNEL inhalatory exposure - Worker (mg/m3)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
alkyldimethylbenzylammoniumchloride	-	-	3.96	
alkyl alcohol ethoxylate	-	-	-	-
sodium carbonate	-	-	10	-

DNEL inhalatory exposure - Consumer (mg/m3)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
alkyldimethylbenzylammoniumchloride	-	-	1.64	
alkyl alcohol ethoxylate	-	-	-	-
sodium carbonate	10	-	-	-

Environmental exposure
Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent Sewage treatment plant (mg/l)	
alkyldimethylbenzylammoniumchloride	0.0009	0.00096	0.00016	0.4
alkyl alcohol ethoxylate	-	-	-	-
sodium carbonate	-	-	-	-

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m3)
alkyldimethylbenzylammoniumchloride	12.27	13.09	7	-
alkyl alcohol ethoxylate	-	-	-	-
sodium carbonate	-	-	-	-

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: If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.
REACH use scenarios considered for the undiluted product:
SWED - Sector-specific LCS PROC Duration ERC
worker exposure (min)
description
Manual transfer and dilution AISE_SWED_PW_8a_1 PW PROC 8a 60 ERC8a
Manual transfer and dilution AISE_SWED_PW_1_1 PW PROC 1 60 ERC8a
Personal protective equipment
Eye / face protection: Safety glasses or goggles (EN 166).
Hand protection: Repeated or prolonged contact: Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.
Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm
Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm
In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.
Body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.
Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted or unneutralised.

Recommended safety measures for handling the diluted product:
Recommended maximum concentration (% w/w): 4
Appropriate engineering controls: Provide a good standard of general ventilation. Ensure that foam equipment does not generate respirable particles.
Appropriate organisational controls: No special requirements under normal use conditions.
REACH use scenarios considered for the diluted product:
SWED LCS PROC Duration ERC
(min)
Machine application AISE_SWED_PW_10_1 PW PROC 10 480 ERC8a
Manual application by brushing, wiping or mopping
Foam spraying AISE_SWED_PW_11_1 PW PROC 11 60 ERC8a
Spray application
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: Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available
Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted.
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: Liquid
Colour: Clear , Purple
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 See substance data
Substance data, boiling point
Ingredient(s) Value Method Atmospheric pressure
(°C) (hPa)
alkyldimethylbenzylammoniumchloride > 107 Method not given
alkyl alcohol ethoxylate > 200 Method not given
sodium carbonate 1600 Method not given 1013
Method / remark
Flammability (solid, gas): Not applicable to liquids
Flammability (liquid): Not flammable.
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 See substance data
Substance data, flammability or explosive limits, if available:
Ingredient(s) Lower limit Upper limit
(% vol) (% vol)
alkyldimethylbenzylammoniumchloride - -
Method / remark
Autoignition temperature: Not determined
Decomposition temperature: Not applicable.
pH: ≈ 11 (neat) ISO 4316
Dilution pH: ≈ 10 (4 %) ISO 4316
Kinematic viscosity: Not determined
Solubility in / Miscibility with Water: Fully miscible
Substance data, solubility in water
Ingredient(s) Value Method Temperature
(g/l) (°C)

alkyldimethylbenzylammoniumchloride Soluble Method not given
alkyl alcohol ethoxylate Soluble Method not given 20
sodium carbonate 210-215 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 Method Temperature
(Pa) (°C)
alkyldimethylbenzylammoniumchloride 2300 Method not given 20
alkyl alcohol ethoxylate Negligible Method not given 20-25
sodium carbonate Negligible
Method / remark

Relative density: ≈ 1.05 (20 °C) OECD 109 (EU A.3)
Relative vapour density: No data available. Not relevant to classification of this product
Particle characteristics: No data available. Not applicable to liquids.
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: Corrosive UN Manual of Tests and Criteria, section 37
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
May be corrosive to metals.
10.6 Hazardous decomposition products
None known under normal storage and use conditions.
SECTION 11: Toxicological information
11.1 Information on toxicological effects
Mixture data:.
Relevant calculated ATE(s):
ATE - Oral (mg/kg): >2000
ATE - Dermal (mg/kg): >2000
Skin irritation and corrosivity
Result: Skin irritant 2 Species: Not applicable Method: Weight of evidence
Substance data, where relevant and available, are listed below:.
Acute toxicity
Acute oral toxicity
Ingredient(s) Endpoint Value Species Method Exposure ATE
(mg/kg) time (h) (mg/kg)

alkyldimethylbenzylammoniumchloride LD 50 304.5 Rat 4300
alkyl alcohol ethoxylate LD 50 > 300-2000 Rat OECD 423 (EU B.1 tris) 18000
sodium carbonate LD 50 2800 Rat OECD 401 (EU B.1) 390000
Acute dermal toxicity
Ingredient(s) Endpoint Value Species Method Exposure ATE
(mg/kg) time (h) (mg/kg)
alkyldimethylbenzylammoniumchloride LD 50 3412 Rabbit Method not given 15000
alkyl alcohol ethoxylate LD 50 > 2000 Rabbit Method not given Not established
sodium carbonate LD 50 > 2000 Rabbit Method not given Not established
Acute inhalative toxicity
Ingredient(s) Endpoint Value Species Method Exposure
(mg/l) time (h)
alkyldimethylbenzylammoniumchloride No data

available
alkyl alcohol ethoxylate No data
available
sodium carbonate LC 50 > 2.3 (dust) Weight of evidence 2
Acute inhalative toxicity, continued
Ingredient(s) ATE - inhalation, dust ATE - inhalation, mist ATE - inhalation, ATE - inhalation, gas
(mg/l) (mg/l) vapour (mg/l) (mg/l)
alkyldimethylbenzylammoniumchloride Not established Not established Not established Not established
alkyl alcohol ethoxylate Not established Not established Not established Not established
sodium carbonate Not established Not established Not established Not established
Irritation and corrosivity
Skin irritation and corrosivity
Ingredient(s) Result Species Method Exposure time
alkyldimethylbenzylammoniumchloride Corrosive Rabbit Method not given
alkyl alcohol ethoxylate Not irritant Rabbit OECD 404 (EU B.4)
sodium carbonate Not irritant Rabbit OECD 404 (EU B.4)
Eye irritation and corrosivity
Ingredient(s) Result Species Method Exposure time
alkyldimethylbenzylammoniumchloride Severe damage Method not given
alkyl alcohol ethoxylate Severe damage Rabbit Method not given
sodium carbonate Irritant Rabbit OECD 405 (EU B.5)
Respiratory tract irritation and corrosivity
Ingredient(s) Result Species Method Exposure time
alkyldimethylbenzylammoniumchloride No data available
alkyl alcohol ethoxylate No data available
sodium carbonate No data available
Sensitisation
Sensitisation by skin contact
Ingredient(s) Result Species Method Exposure time (h)
alkyldimethylbenzylammoniumchloride Not sensitising Guinea pig OECD 406 (EU B.6) /
Buehler test
alkyl alcohol ethoxylate Not sensitising Guinea pig Method not given
sodium carbonate Not sensitising Method not given
Sensitisation by inhalation
Ingredient(s) Result Species Method Exposure time
alkyldimethylbenzylammoniumchloride No data available
alkyl alcohol ethoxylate No data available
sodium carbonate No data available
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Mutagenicity
Ingredient(s) Result (in-vitro) Method Result (in-vivo) Method
(in-vitro) (in-vivo)
alkyldimethylbenzylammoniumchloride No evidence of genotoxicity, negative OECD 471 (EU No evidence of genotoxicity, negative OECD 474 (EU
test results B.12/13) OECD test results B.12)
476 OECD 473
alkyl alcohol ethoxylate No evidence of genotoxicity, negative Method not No evidence of genotoxicity, negative Method not

test results given test results given
sodium carbonate No data available No data available
Carcinogenicity

Ingredient(s) Effect
alkyldimethylbenzylammoniumchloride No data available
alkyl alcohol ethoxylate No evidence for carcinogenicity, weight-of-evidence
sodium carbonate No evidence for carcinogenicity, weight-of-evidence
Toxicity for reproduction
Ingredient(s) Endpoint Specific effect Value Species Method Exposure Remarks and other effects
(mg/kg bw/d) time reported
alkyldimethylbenzylam No data
moniumchloride available
alkyl alcohol ethoxylate NOAEL Teratogenic effects > 50 Rat Not known No known significant effects or
critical hazards
sodium carbonate No data
available
Repeated dose toxicity
Sub-acute or sub-chronic oral toxicity
Ingredient(s) Endpoint Value Species Method Exposure Specific effects and organs
(mg/kg bw/d) time (days) affected
alkyldimethylbenzylammoniumchloride No data
available
alkyl alcohol ethoxylate No data
available
sodium carbonate No data
available
Sub-chronic dermal toxicity
Ingredient(s) Endpoint Value Species Method Exposure Specific effects and organs
(mg/kg bw/d) time (days) affected
alkyldimethylbenzylammoniumchloride No data
available
alkyl alcohol ethoxylate No data
available
sodium carbonate No data
available
Sub-chronic inhalation toxicity
Ingredient(s) Endpoint Value Species Method Exposure Specific effects and organs
(mg/kg bw/d) time (days) affected
alkyldimethylbenzylammoniumchloride No data
available
alkyl alcohol ethoxylate No data
available
sodium carbonate No data
available
Chronic toxicity
Ingredient(s) Exposure Endpoint Value Species Method Exposure Specific effects and Remark
route (mg/kg bw/d) time organs affected
alkyldimethylbenzylam No data
moniumchloride available
alkyl alcohol ethoxylate Oral NOAEL 50 Rat Method not 24 month(s) Effects on organ weights
given
sodium carbonate No data
available
STOT-single exposure
Ingredient(s) Affected organ(s)

alkyldimethylbenzylammoniumchloride No data available
alkyl alcohol ethoxylate Not applicable
sodium carbonate No data available
STOT-repeated exposure
Ingredient(s) Affected organ(s)
alkyldimethylbenzylammoniumchloride No data available
alkyl alcohol ethoxylate Not applicable
sodium carbonate 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 Species Method Exposure
(mg/l) time (h)
alkyldimethylbenzylammoniumchloride LC 50 0.515 Fish Method not given 96
alkyl alcohol ethoxylate LC 50 1 - 10 Cyprinus carpio OECD 203 (EU C.1) 96
sodium carbonate LC 50 300 Lepomis Method not given 96
macrochirus
Aquatic short-term toxicity - crustacea
Ingredient(s) Endpoint Value Species Method Exposure
(mg/l) time (h)
alkyldimethylbenzylammoniumchloride EC 50 0.016 Daphnia Method not given 48
alkyl alcohol ethoxylate EC 50 1 - 10 Daphnia OECD 202, static 48
magna Straus
sodium carbonate EC 50 200-227 Ceriodaphnia Method not given 96
dubia
Aquatic short-term toxicity - algae
Ingredient(s) Endpoint Value Species Method Exposure
(mg/l) time (h)
alkyldimethylbenzylammoniumchloride EC 50 0.02 Selenastrum OECD 201 (EU C.3) 72
capricornutum
alkyl alcohol ethoxylate EC 50 1 - 10 Desmodesmus OECD 201, static 72
subspicatus
sodium carbonate No data
available
Aquatic short-term toxicity - marine species
Ingredient(s) Endpoint Value Species Method Exposure
(mg/l) time (days)

alkyldimethylbenzylammoniumchloride No data
available
alkyl alcohol ethoxylate No data
available
sodium carbonate No data
available
Impact on sewage plants - toxicity to bacteria
Ingredient(s) Endpoint Value Inoculum Method Exposure
(mg/l) time
alkyldimethylbenzylammoniumchloride EC 20 5 Activated OECD 209 0.5 hour(s)
sludge
alkyl alcohol ethoxylate EC 10 > 10000 Activated DIN 38412 / Part 8 17 hour(s)
sludge
sodium carbonate No data
available
Aquatic long-term toxicity
Aquatic long-term toxicity - fish
Ingredient(s) Endpoint Value Species Method Exposure Effects observed
(mg/l) time
alkyldimethylbenzylammoniumchloride No data

available
alkyl alcohol ethoxylate No data
available
sodium carbonate No data
available
Aquatic long-term toxicity - crustacea
Ingredient(s) Endpoint Value Species Method Exposure Effects observed
(mg/l) time
alkyldimethylbenzylammoniumchloride NOEC 0.025 Daphnia OECD 211 21 day(s)
magna
alkyl alcohol ethoxylate No data
available
sodium carbonate No data
available
Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:
Ingredient(s) Endpoint Value Species Method Exposure Effects observed
(mg/kg dw time (days)
sediment)
alkyldimethylbenzylammoniumchloride No data
available
alkyl alcohol ethoxylate No data
available
sodium carbonate No data
available
Terrestrial toxicity
Terrestrial toxicity - soil invertebrates, including earthworms, if available:
Ingredient(s) Endpoint Value Species Method Exposure Effects observed
(mg/kg dw time (days)
soil)

alkyldimethylbenzylammoniumchloride No data
available
alkyl alcohol ethoxylate NOEC 220 Eisenia fetida
sodium carbonate No data
available
Terrestrial toxicity - plants, if available:
Ingredient(s) Endpoint Value Species Method Exposure Effects observed
(mg/kg dw time (days)
soil)
alkyldimethylbenzylammoniumchloride No data
available
alkyl alcohol ethoxylate NOEC 10 Lepidium OECD 208
sativum
sodium carbonate No data
available
Terrestrial toxicity - birds, if available:
Ingredient(s) Endpoint Value Species Method Exposure Effects observed
time (days)
alkyldimethylbenzylammoniumchloride No data
available
sodium carbonate No data
available
Terrestrial toxicity - beneficial insects, if available:
Ingredient(s) Endpoint Value Species Method Exposure Effects observed
(mg/kg dw time (days)
soil)
alkyldimethylbenzylammoniumchloride No data
available
sodium carbonate No data
available
Terrestrial toxicity - soil bacteria, if available:
Ingredient(s) Endpoint Value Species Method Exposure Effects observed
(mg/kg dw time (days)
soil)
alkyldimethylbenzylammoniumchloride No data
available
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
alkyldimethylbenzylammoniumchloride No data available
sodium carbonate No data available
Abiotic degradation - hydrolysis, if available:
Ingredient(s) Half-life time in fresh Method Evaluation Remark
water
alkyldimethylbenzylammoniumchloride No data available
sodium carbonate No data available Rapidly hydrolysible

Abiotic degradation - other processes, if available:

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

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT 50	Method	Evaluation
alkyldimethylbenzylammoniumchloride	Oxygen depletion		> 60%	Read across	Readily biodegradable
alkyl alcohol ethoxylate	Activated sludge, aerobe	CO 2 production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
sodium carbonate	Not applicable (inorganic substance)				

Ready biodegradability - anaerobic and marine conditions, if available:

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

Degradation in relevant environmental compartments, if available:

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

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
alkyldimethylbenzylammoniumchloride	2.88	OECD 107	No bioaccumulation expected	
alkyl alcohol ethoxylate	-		No bioaccumulation expected	
sodium carbonate	No data available		No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
alkyldimethylbenzylam moniumchloride	0.5	Method not given		No bioaccumulation expected	
alkyl alcohol ethoxylate	-			No bioaccumulation expected	
sodium carbonate	No data available			No bioaccumulation expected	

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient	Desorption coefficient type	Method	Soil/sediment	Evaluation
	Log Koc	Log Koc(des)			
alkyldimethylbenzylammoniumchloride	No data available				
alkyl alcohol ethoxylate	No data available				Immobile in soil or sediment
sodium carbonate	No data available				Potential for mobility in soil, soluble in water

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 The concentrated contents or contaminated packaging should be disposed of by a certified handler

products: 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.

Suitable cleaning agents: Water, if necessary with cleaning agent.

SECTION 14: Transport information

Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

14.1 UN number: 3267

14.2 UN proper shipping name:

Corrosive liquid, basic, organic, n.o.s. (trisodium citrate , alkyldimethylbenzylammoniumchloride)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 8

14.4 Packing group: III

14.5 Environmental hazards:

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6 Special precautions for user: None known.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.

Other relevant information:

ADR

Classification code: C7

Tunnel restriction code: E

Hazard identification number: 80

IMO/IMDG

EmS: F-A, S-B

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

SECTION 15: Regulatory information

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

National regulations :

• Regulation (EC) 1907/2006 - REACH (UK amended)

• Regulation (EC) 1272/2008 - CLP (UK amended)

• Regulation (EC) 648/2004 - Detergents regulation (UK amended)

• Biocidal Products Regulations 2001 (SI 2001/880)

• Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)

• 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 Detergents Regulation

non-ionic surfactants 5 - 15 %

disinfectants

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on

detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made

available to them, at their direct request or at the request of a detergent manufacturer.

Comah - classification: E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

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: MSDS3356 Version: 07.0 Revision: 2021-11-21

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):, 3, 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.

Full text of the H and EUH phrases mentioned in section 3:

• H302 - Harmful if swallowed.

• H312 - Harmful in contact with skin.

• H314 - Causes severe skin burns and eye damage.

• H318 - Causes serious eye damage.

• H319 - Causes serious eye irritation.

• H400 - Very toxic to aquatic life.

• H410 - Very toxic to aquatic life with long lasting effects.

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 - Organization 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

End of Safety Data Sheet