

Trade name: Super Foam**Product no.:** 396999**Current version :** 1.1.0, issued: 31.03.2021**Replaced version:** 1.0.0, issued: 01.12.2020**Region:** MT**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Super Foam****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Cleaner

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

1.4 Emergency telephone number

No data available.

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 3; H412

Carc. 2; H351

Eye Dam. 1; H318

Skin Corr. 1; H314

Classification information

Product is classified as "Corrosive" based on the extreme pH-value, see:

- Regulation 1272/2008 (CLP), Annex. I, number 3.2.2.2 / 3.2.3.1.2

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS05



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

trisodium-nitilotriacetate

hexyl D-glucoside

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H314 Causes severe skin burns and eye damage.
 H351 Suspected of causing cancer.
 H412 Harmful to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208 Contains Orange, sweet, ext., 3-p-cumenyl-2-methylpropionaldehyde, 4-tert-butylcyclohexyl acetate, (2E)-2-(phenylmethylidene)octanal. May produce an allergic reaction.

Precautionary statement(s)

P201 Obtain special instructions before use.
 P260 Do not breathe vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.

2.3 Other hazards**PBT assessment**

According to the information provided in the supply chain, the mixture does not contain $> 0.1\%$ of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain $> 0.1\%$ of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	trisodium-nitilotriacetate		
	5064-31-3 225-768-6 607-620-00-6 01-2119519239-36	Acute Tox. 4*; H302 Carc. 2; H351 Eye Irrit. 2; H319	$\geq 5,00 - < 10,00$ wt%
2	hexyl D-glucoside		
	54549-24-5 259-217-6 - 01-2119492545-29	Eye Dam. 1; H318	$\geq 5,00 - < 10,00$ wt%
3	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density ≥ 400 g/l		
	85586-07-8 287-809-4 - 01-2119489463-28	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	$\geq 5,00 - < 10,00$ wt%

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4	Alcohols, C12-14, ethoxylated, sulfates, sodium salts			
	68891-38-3 500-234-8 - 01-2119488639-16	Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	<	5,00 wt%
5	Orange, sweet, ext.			
	8028-48-6 232-433-8 - 01-2119493353-35	Asp. Tox. 1; H304 Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 1; H410 Aquatic Acute 1; H400	<	0,50 wt%
6	3-p-cumenyl-2-methylpropionaldehyde			
	103-95-7 203-161-7 - 01-2119970582-32	Aquatic Chronic 3; H412 Skin Irrit. 2; H315 Skin Sens. 1B; H317	<	0,50 wt%
7	4-tert-butylcyclohexyl acetate			
	32210-23-4 250-954-9 - 01-2119976286-24	Skin Sens. 1B; H317	<	0,50 wt%
8	(2E)-2-(phenylmethylidene)octanal			
	165184-98-5 639-566-4 - 01-2119533092-50	Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Skin Sens. 1; H317	<	0,50 wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(*, **, ***, ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Carc. 2; H351: C >= 5%	-	-
3	-	Eye Irrit. 2; H319: C >= 10% Eye Dam. 1; H318: C >= 20%	-	-
4	-	Eye Irrit. 2; H319: C >= 5% Eye Dam. 1; H318: C >= 10%	-	-

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
1	1740 mg/kg bodyweight		
3	501 mg/kg bodyweight		

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation. Irregular breathing/no breathing: artificial respiration.

After skin contact

Wash immediately with plenty of water for several minutes. Call a doctor immediately.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

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Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Foam; Carbon dioxide; Dry chemical extinguisher

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Nitrogen oxides (NO_x); Toxic gases/vapours

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Run-off water from fire fighting must not be discharged into drains or enter surface water.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Flush away residues with water.

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

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7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed. Store in a dry place.

Recommended storage temperature

Value

Room temperature

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container. Prevent unauthorized access.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	trisodium-nitritotriacetate			5064-31-3 225-768-6	
	inhalative	Short term (acut)	systemic	2,4	mg/cm ²
	inhalative	Long term (chronic)	systemic	0,8	mg/cm ²
2	hexyl D-glucoside			54549-24-5 259-217-6	
	dermal	Long term (chronic)	systemic	595000	mg/kg/day
	inhalative	Long term (chronic)	systemic	420	mg/m ³
3	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l			85586-07-8 287-809-4	
	dermal	Long term (chronic)	systemic	4060	mg/kg/day
	inhalative	Long term (chronic)	systemic	285	mg/m ³
4	Alcohols, C12-14, ethoxylated, sulfates, sodium salts			68891-38-3 500-234-8	
	dermal	Long term (chronic)	systemic	2750	mg/kg/day
	dermal	Long term (chronic)	local	132	µg/cm ²
5	Orange, sweet, ext.			8028-48-6 232-433-8	
	dermal	Long term (chronic)		8,89	mg/kg/day
	dermal	Short term (acut)		185,8	µg/cm ²
6	(2E)-2-(phenylmethylidene)octanal			165184-98-5 639-566-4	
	dermal	Long term (chronic)	systemic	18,2	mg/kg/day
	dermal	Long term (chronic)	local	525	µg/cm ²
7	(2E)-2-(phenylmethylidene)octanal			165184-98-5 639-566-4	
	dermal	Short term (acut)	local	525	µg/cm ²
	inhalative	Long term (chronic)	systemic	0,078	mg/m ³
8	(2E)-2-(phenylmethylidene)octanal			165184-98-5 639-566-4	
	inhalative	Short term (acut)	local	6,28	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	trisodium-nitritotriacetate			5064-31-3	

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				225-768-6
oral	Short term (acut)	systemic	0,9	mg/kg
oral	Long term (chronic)	systemic	0,3	mg/kg
dermal	Short term (acut)	systemic		
inhalative	Short term (acut)	systemic	9,6	mg/cm ²
inhalative	Long term (chronic)	systemic	3,2	mg/cm ²
2	hexyl D-glucoside			54549-24-5 259-217-6
oral	Long term (chronic)	systemic	35,7	mg/kg/day
dermal	Long term (chronic)	systemic	357000	mg/kg/day
inhalative	Long term (chronic)	systemic	124	mg/m ³
3	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l			85586-07-8 287-809-4
oral	Long term (chronic)	systemic	24	mg/kg/day
dermal	Long term (chronic)	systemic	2440	mg/kg/day
inhalative	Long term (chronic)	systemic	85	mg/m ³
4	Alcohols, C12-14, ethoxylated, sulfates, sodium salts			68891-38-3 500-234-8
oral	Long term (chronic)	systemic	15	mg/kg/day
dermal	Long term (chronic)	systemic	1650	mg/kg/day
dermal	Long term (chronic)	local	79	µg/cm ²
inhalative	Long term (chronic)	systemic	52	mg/m ³
5	Orange, sweet, ext.			8028-48-6 232-433-8
oral	Long term (chronic)		4,44	mg/kg/day
dermal	Long term (chronic)		4,44	mg/kg/day
dermal	Short term (acut)		92,9	µg/cm ²
inhalative	Long term (chronic)		7,78	mg/m ³
6	(2E)-2-(phenylmethylidene)octanal			165184-98-5 639-566-4
oral	Long term (chronic)	systemic	0,056	mg/kg/day
dermal	Long term (chronic)	systemic	9,11	mg/kg/day
dermal	Long term (chronic)	local	78,7	µg/cm ²
dermal	Short term (acut)	local	78,7	µg/cm ²
inhalative	Long term (chronic)	systemic	0,019	
inhalative	Short term (acut)	local	4,71	mg/m ³

PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	trisodium-nitritotriacetate		5064-31-3 225-768-6
	water	fresh water	0,93 mg/L
	water	marine water	0,093 mg/L
	sewage treatment plant	-	270 mg/L
2	hexyl D-glucoside		54549-24-5 259-217-6
	water	fresh water	0,176 mg/L
	water	marine water	0,018 mg/L
	water	Aqua intermittent	4,2 mg/L
	water	fresh water sediment	0,722 mg/kg dry weight
	water	marine water sediment	0,072 mg/kg dry weight
	soil	-	0,654 mg/kg dry weight
	sewage treatment plant	-	100 mg/L
	secondary poisoning	-	111,11 mg/kg

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	with reference to: food		
3	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l		85586-07-8 287-809-4
	water	fresh water	0,131 mg/L
	water	marine water	0,0131 mg/L
	water	Aqua intermittent	0,036 mg/L
	water	fresh water sediment	4,61 mg/kg dry weight
	water	marine water sediment	0,461 mg/kg dry weight
	soil	-	0,846 mg/kg dry weight
	sewage treatment plant	-	1,35 mg/L
4	Alcohols, C12-14, ethoxylated, sulfates, sodium salts		68891-38-3 500-234-8
	water	fresh water	0,24 mg/L
	water	marine water	0,024 mg/L
	water	Aqua intermittent	0,071 mg/L
	water	fresh water sediment	0,917 mg/kg dry weight
	water	marine water sediment	0,092 mg/kg dry weight
	soil	-	7,5 mg/kg dry weight
	sewage treatment plant	-	10 g/L
5	Orange, sweet, ext.		8028-48-6 232-433-8
	water	fresh water	5,4 mg/L
	water	marine water	0,54 mg/L
	water	fresh water sediment	1,3 mg/kg dry weight
	water	marine water sediment	0,13 mg/kg dry weight
	water	Aqua intermittent	5,77 mg/L
	soil	-	0,261 mg/kg dry weight
	sewage treatment plant	-	2,1 mg/L
	secondary poisoning	-	13,3 mg/kg
	with reference to: food		
6	(2E)-2-(phenylmethylidene)octanal		165184-98-5 639-566-4
	water	fresh water	0,001 mg/L
	water	marine water	0 mg/L
	water	fresh water sediment	3,2 mg/kg dry weight
	water	marine water sediment	0,064 mg/kg dry weight
	soil	-	0,398 mg/kg dry weight
	sewage treatment plant	-	10 mg/L
	secondary poisoning	-	6,6 mg/kg food

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

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If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Tightly fitting safety glasses (EN 166).

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Appropriate Material	neoprene		
Appropriate Material	Polychloroprene		
Appropriate Material	nitrile		
Material thickness	>=	0,5	mm
Breakthrough time	>	120	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State of aggregation	
liquid	
Form/Colour	
liquid	
yellow	
Odour	
characteristic	
pH value	
Value	12
Boiling point / boiling range	
No data available	
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
No data available	
Ignition temperature	
No data available	
Oxidising properties	
not oxidizing	
Explosive properties	

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The product does not have explosive properties.

Flammability

No data available

Lower explosion limit

No data available

Upper explosion limit

No data available

Vapour pressure

No data available

Relative vapour density

No data available

Relative density

No data available

Density

Value	1,1	g/cm ³
Reference temperature	20	°C

Solubility in water

Comments	miscible
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Solubility

No data available

Partition coefficient n-octanol/water (log value)

No	Substance name	CAS no.	EC no.
1	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4

log Pow	<=	-2,42	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		

2	Orange, sweet, ext.	8028-48-6	232-433-8
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log Pow	>=	4	
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3	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
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log Pow	appr.	5,3	
Reference temperature		24	°C
Method	OECD 117		
Source	ECHA		

Viscosity

No data available

Particle characteristics

No data available

9.2 Other information**Other information**

No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

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10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

strong acids; strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Super Foam
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
LD50		1740	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
2	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4
LD50		501 - 1999	mg/kg bodyweight
Species	rat		
Method	EU Method B.1		
Source	ECHA		
3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
LD50		4100	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
4	Orange, sweet, ext.	8028-48-6	232-433-8
LD50		> 5000	mg/kg bodyweight
Species	rat		
5	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
LD50		appr. 3100	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
LD50		> 2000	mg/kg bodyweight
Species	rat		

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Method	OECD 402
Source	ECHA
2	Orange, sweet, ext. 8028-48-6 232-433-8
LD50	> 5000 mg/kg bodyweight
Species	rabbit
3	(2E)-2-(phenylmethylidene)octanal 165184-98-5 639-566-4
LD50	> 3000 mg/kg bodyweight
Species	rabbit
Method	OECD 402
Source	ECHA

Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	trisodium-nitritotriacetate	5064-31-3	225-768-6
LC50	>	5	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Source	ECHA		
2	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
LC50	>	5	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	trisodium-nitritotriacetate	5064-31-3	225-768-6
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	strongly irritant		
3	Orange, sweet, ext.	8028-48-6	232-433-8
Species	rabbit		
Method	OECD 405		
Evaluation	non-irritant		
4	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
Species	rabbit		
Method	EU B.5		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	trisodium-nitritotriacetate	5064-31-3	225-768-6
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		

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Evaluation	non-sensitizing		
2	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4
Route of exposure	Skin		
Species	guinea pig		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
4	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		

Germ cell mutagenicity

No	Substance name	CAS no.	EC no.
1	trisodium-nitritotriacetate	5064-31-3	225-768-6
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typh. TA98, TA100, TA1535, TA1537, TA1538		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	in vitro gene mutation study in mammalian cells		
Species	mouse lymphoma L5178Y cells		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity

No	Substance name	CAS no.	EC no.
1	trisodium-nitritotriacetate	5064-31-3	225-768-6
Species	rat		
Method	OECD 416		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4
Route of exposure	oral		
Type of examination	Prenatal Developmental Toxicity Study		
Species	rat		
Method	OECD 414		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

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3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	trisodium-nitritotriacetate	5064-31-3	225-768-6
Route of exposure		dermal	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		oral	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard	
No data available	

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

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	trisodium-nitritotriacetate	5064-31-3	225-768-6
LC50		114	mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Source		ECHA	
2	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4
LC50		3,6	mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Method		OECD 203	
Source		ECHA	
3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
LC50		7,1	mg/l
Duration of exposure		96	h

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Species	Danio rerio
Method	OECD 203
Source	ECHA
4	Orange, sweet, ext. 8028-48-6 232-433-8
LC50	0,7 mg/l
Duration of exposure	96 h
Species	Pimephales promelas
Method	OECD 203
5	(2E)-2-(phenylmethylidene)octanal 165184-98-5 639-566-4
LC50	1,7 mg/l
Duration of exposure	96 h
Species	Pimephales promelas
Method	OECD 203
Source	ECHA

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
NOEC	>	54	mg/l
Duration of exposure		224	day(s)
Species	Pimephales promelas		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4
EC50		4,7	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EC 92/69		
Source	ECHA		
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
EC50		7,4	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	Orange, sweet, ext.	8028-48-6	232-433-8
EC50		0,67	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	OECD 202		
4	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
EC50	> 0,36 - 0,58		mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
NOEC		9,3	mg/l
Duration of exposure		147	day(s)
Species	Daphnia magna		
Source	ECHA		
2	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4

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NOEC	0,063	mg/l
Duration of exposure	21	day(s)
Species	Daphnia magna	
Method	OECD 211	
Source	ECHA	

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
ErC50	>	91,5	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
ErC50		27,7	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
3	Orange, sweet, ext.	8028-48-6	232-433-8
ErC50		150	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
4	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
EC50	>	0,065	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
NOEC		1,43	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
NOEC		0,95	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
EC50	>	10000	mg/l
Duration of exposure		16	h
Species	Pseudomonas putida		
Method	DIN 38412 T.8		
Source	ECHA		

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12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
Value		100	%
Duration		14	d
Method	OECD 301 E		
Source	ECHA		
Evaluation	readily biodegradable		
2	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4
Type	aerobic biodegradation		
Value	90	- 100	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	readily biodegradable		
3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Type	DOC decrease		
Value		100	%
Duration		14	day(s)
Source	ECHA		
Evaluation	readily biodegradable		
4	Orange, sweet, ext.	8028-48-6	232-433-8
Value	72	- 83,4	%
Duration		28	day(s)
Method	OECD 301 B		
Evaluation	readily biodegradable		
5	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
Value	appr.	97	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Orange, sweet, ext.	8028-48-6	232-433-8
BCF		32	- 156
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, bulk density >=400 g/l	85586-07-8	287-809-4
log Pow	<=	-2,42	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		
2	Orange, sweet, ext.	8028-48-6	232-433-8
log Pow	>=	4	
3	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
log Pow	appr.	5,3	
Reference temperature		24	°C
Method	OECD 117		
Source	ECHA		

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No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not discharge into the drains or waters and do not store on public depositories.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

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Not relevant

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) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3
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Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product. Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.
H411	Toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

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The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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