

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

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

1.1 Product identifier

Trade name

Super Foam NTA-frei

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

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

For information in the event of an emergency during transport:

+44 1865 407333

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

Eye Dam. 1; H318

Skin Irrit. 2; H315

Classification information

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

Signal word

Danger

Hazardous component(s) to be indicated on label:

Trade name: Super Foam NTA-frei**Product no.:** 421999**Current version :** 3.0.0, issued: 19.04.2021**Replaced version:** 2.1.0, issued: 06.07.2020**Region:** GB

hexyl D-glucoside

Hazard statement(s)

H315 Causes skin irritation.
 H318 Causes serious eye damage.
 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)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 Wear protective gloves/protective clothing/eye protection/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 CENTER/doctor.
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

Supplemental label elements

Regulation (EC) No 648/2004 on detergents (Annex VII):

5-15% anionic surfactants

5-15% non-ionic surfactants

<5% Phosphonate, Phosphate

Perfumings

ALPHA-ISOMETHYL IONONE

AMYL CINNAMAL

BENZYL SALICYLATE

CITRONELLOL

COUMARIN

HEXYLCINNAMALDEHYD

LIMONENE

LINALOOL

GERANIOL

CITRAL

METHYL 2-OCTYNOATE

2.3 Other hazards

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a 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	hexyl D-glucoside			
	54549-24-5 259-217-6 - 01-2119492545-29	Eye Dam. 1; H318	>= 5.00 - < 10.00	wt%

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

2	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	>= 5.00 - < 10.00	wt%
3	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%
4	nitrilotrimethylenetris(phosphonic acid)			
	6419-19-8 229-146-5 - 01-2119487988-08	Eye Irrit. 2; H319 Met. Corr. 1; H290	< 2.50	wt%
5	sodium hydroxide			
	1310-73-2 215-185-5 011-002-00-6 01-2119457892-27	Skin Corr. 1A; H314 Met. Corr. 1; H290 Eye Dam. 1; H318	< 2.50	wt%
6	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%
7	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%
8	4-tert-butylcyclohexyl acetate			
	32210-23-4 250-954-9 - 01-2119976286-24	Skin Sens. 1B; H317	< 0.50	wt%
9	(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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	Eye Irrit. 2; H319: C >= 10% Eye Dam. 1; H318: C >= 20%	-	-
3	-	Eye Irrit. 2; H319: C >= 5% Eye Dam. 1; H318: C >= 10%	-	-
5	-	Skin Irrit. 2; H315: C >= 0.5% Eye Irrit. 2; H319: C >= 0.5% Skin Corr. 1B; H314: C >= 2% Skin Corr. 1A; H314: C >= 5%	-	-

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
2	501 mg/kg bodyweight		

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Ensure supply of fresh air.

After skin contact

When in contact with the skin, clean with soap and water.

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).

After ingestion

Rinse the mouth thoroughly with water. Call a doctor immediately. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down).

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

Water spray jet; Foam; Extinguishing powder; Carbon dioxide

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)

5.3 Advice for firefighters

Wear protective clothing. Use self-contained breathing apparatus. Cool endangered containers with water spray jet.

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. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

For emergency responders

No data available. 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.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

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

Provide good ventilation at the work area (local exhaust ventilation, if necessary). 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. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Provide eye wash fountain in work area.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

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

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Do not store together with: oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	sodium hydroxide	1310-73-2	215-185-5
List of approved workplace exposure limits (WELs) / EH40			
Sodium hydroxide			
	WEL short-term (15 min reference period)	2	mg/m ³

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	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
2	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
3	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
	inhalative	Long term (chronic)	systemic	175	mg/m ³

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

4	nitrilotrimethylenetris(phosphonic acid)			6419-19-8 229-146-5
	dermal	Long term (chronic)	systemic	2.75 mg/kg/day
	inhalative	Long term (chronic)	systemic	9.7 mg/m ³
5	sodium hydroxide			1310-73-2 215-185-5
	inhalative	Long term (chronic)	local	1 mg/m ³
6	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
	inhalative			31.1 mg/m ³
7	(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
	dermal	Short term (acut)	local	525 µg/cm ²
	inhalative	Long term (chronic)	systemic	0.078 mg/m ³
	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	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
2	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
3	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
4	nitrilotrimethylenetris(phosphonic acid)			6419-19-8 229-146-5
	oral	Long term (chronic)	systemic	1.38 mg/kg/day
	oral	Short term (acut)	systemic	1.38 mg/kg/day
	dermal	Long term (chronic)	systemic	1.38 mg/kg/day
	dermal	Short term (acut)	systemic	1.38 mg/kg/day
	inhalative	Long term (chronic)	systemic	2.39 mg/m ³
	inhalative	Short term (acut)	systemic	2.39 mg/m ³
5	sodium hydroxide			1310-73-2 215-185-5
	inhalative	Long term (chronic)	local	1 mg/m ³
6	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
7	(2E)-2-(phenylmethylidene)octanal			165184-98-5 639-566-4

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

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	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 with reference to: food	-	111.11 mg/kg
2	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
3	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
4	nitrioltrimethylenetris(phosphonic acid)	6419-19-8 229-146-5	
	water	fresh water	0.46 mg/L
	water	marine water	0.046 mg/L
	water	fresh water sediment	150 mg/kg dry weight
	water	marine water sediment	15 mg/kg dry weight
	soil	-	244 mg/kg dry weight

Trade name: Super Foam NTA-frei**Product no.:** 421999**Current version :** 3.0.0, issued: 19.04.2021**Replaced version:** 2.1.0, issued: 06.07.2020**Region:** GB

	sewage treatment plant	-	20	mg/L
	secondary poisoning	-	0.17	g/kg
	with reference to: food			
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

No data available.

Personal protective equipment

Respiratory protection

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

Safety glasses with side protection shield (EN 166)

Hand protection

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. 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.

Appropriate Material	Nitrile rubber, butyl rubber		
Material thickness	min.	0.5	mm
Breakthrough time	>	480	min

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

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

State of aggregation			
liquid			
Form/Colour			
liquid			
yellow			
Odour			
fruity; exotic			
pH value			
Value		11.4	
Boiling point / boiling range			
not determined			
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value	>	60	°C
Ignition temperature			
No data available			
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		1.12	g/cm ³
Reference temperature		20	°C
Solubility in water			
Comments		miscible	
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

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

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	

Viscosity		
Value	10	mPa*s
Reference temperature	25	°C
Type	dynamic	

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).

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, if handled according to intended use.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

No data available.

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 NTA-frei
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	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

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

Species	rat		
Method	EU Method B.1		
Source	ECHA		
2	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		
3	Orange, sweet, ext.	8028-48-6	232-433-8
LD50		> 5000	mg/kg bodyweight
Species	rat		
4	(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		
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	(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	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
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Species	rabbit		
Method	OECD 404		
Source	ECHA		

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

Evaluation	irritant		
3	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
Species	rabbit		
Method	EU B.4		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	strongly irritant		
2	Orange, sweet, ext.	8028-48-6	232-433-8
Species	rabbit		
Method	OECD 405		
Evaluation	non-irritant		
3	(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	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.		
2	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		
3	sodium hydroxide	1310-73-2	215-185-5
Route of exposure	Skin		
Species	Human		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		
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	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		

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

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.

2	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	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.

2	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 data available

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	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

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

Duration of exposure	96	h
Species	Oncorhynchus mykiss	
Method	OECD 203	
Source	ECHA	
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3 500-234-8
LC50	7.1	mg/l
Duration of exposure	96	h
Species	Danio rerio	
Method	OECD 203	
Source	ECHA	
3	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	
4	(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 data available

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	sodium hydroxide	1310-73-2	215-185-5
EC50		40.4	mg/l
Duration of exposure		48	h
Species	Ceriodaphnia spec		
Source	ECHA		
4	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		
5	(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		

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	(2E)-2-(phenylmethylidene)octanal	165184-98-5	639-566-4
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	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	
2	Orange, sweet, ext.	8028-48-6	232-433-8
ErC50		150	mg/l
Duration of exposure		72	h
Species		Desmodesmus subspicatus	
Method		OECD 201	
3	(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	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	

12.2 Persistence and degradability

Biodegradability			
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
Type		aerobic biodegradation	
Value		90	%
Duration		28	day(s)
Method		OECD 301 D	

Trade name: Super Foam NTA-frei

Product no.: 421999

Current version : 3.0.0, issued: 19.04.2021

Replaced version: 2.1.0, issued: 06.07.2020

Region: GB

Source Evaluation	ECHA readily biodegradable
2	Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3 500-234-8
Type	DOC decrease
Value	100 %
Duration	14 day(s)
Source Evaluation	ECHA readily biodegradable
3	Orange, sweet, ext. 8028-48-6 232-433-8
Value	72 - 83.4 %
Duration	28 day(s)
Method Evaluation	OECD 301 B readily biodegradable
4	(2E)-2-(phenylmethylidene)octanal 165184-98-5 639-566-4
Value	appr. 97 %
Duration	28 day(s)
Method Evaluation	OECD 301 F ECHA 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 Source		OECD 107 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 Source		OECD 117 ECHA	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information

Trade name: Super Foam NTA-frei**Product no.:** 421999**Current version :** 3.0.0, issued: 19.04.2021**Replaced version:** 2.1.0, issued: 06.07.2020**Region:** GB

Do not discharge product unmonitored into the environment.

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

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

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

The surfactants contained in this product comply with the DetVO 648/2004/EC.

Trade name: Super Foam NTA-frei**Product no.:** 421999**Current version :** 3.0.0, issued: 19.04.2021**Replaced version:** 2.1.0, issued: 06.07.2020**Region:** GB

Adhere to the national sanitary and occupational safety regulations when using this product.

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.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
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.

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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Prod-ID 762665