



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

OPTI FOAM WHITE JASMINE

Creation date	12th September 2023	Version	2.0
Revision date	18th September 2023		

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

- 1.1. Product identifier**
Substance / mixture
OPTI FOAM WHITE JASMINE
mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Active car washing foam.
Mixture uses advised against
not available
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
Name or trade name
Address
VAT Reg No
Phone
E-mail
Web address
TENZI Sp. z o.o.
Skarbimierzycze 20, Dołuje, 72-002
Poland
PL8512583405
+48 91 3119777
info@tenzi.pl
www.tenzi.pl
- Competent person responsible for the safety data sheet**
Name
E-mail
technolog@tenzi.pl
technolog@tenzi.pl
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Skin Irrit. 2, H315
Eye Dam. 1, H318

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse effects on human health and the environment

Causes skin irritation. Causes serious eye damage.

- 2.2. Label elements**
Hazard pictogram



Signal word
Danger

Hazardous substances

sulfonic acids, C14-16-hydroskalkane and C14-16-alkene, sodium salts

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

P280 Wear eye 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.



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P501 Dispose of container to properly labeled waste containers in accordance with national regulations.

Supplemental information

EUH208

Contains hexyl cinnamal. May produce an allergic reaction.

5- <15 % anionic surfactants, <5 % phosphonates, <5 % non-ionic surfactants, perfumes, Benzyl salicylate, Linalool, Hexyl cinnamal

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 68439-57-6 Registration number: 01-2119513401-57-XXXX	sulfonic acids, C14-16-hydroskylalkane and C14-16-alkene, sodium salts	<10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Specific concentration limit: Skin Irrit. 2, H315; Eye Dam. 1, H318: C > 38 % Skin Irrit. 2, H315; Eye Irrit. 2, H319: 5 % < C ≤ 38 % Skin Irrit. 2, H315: C ≤ 5 %	
Index: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5 Registration number: 01-2119457892-27-XXXX	sodium hydroxide	<0,6	Met. Corr. 1, H290 Skin Corr. 1A, H314 Specific concentration limit: Skin Corr. 1B, H314: 2 % ≤ C < 5 % Skin Corr. 1A, H314: C ≥ 5 % Eye Irrit. 2, H319: 0.5 % ≤ C < 2 % Skin Irrit. 2, H315: 0.5 % ≤ C < 2 %	
CAS: 68515-73-1 EC: 500-220-1 Registration number: 01-2119488530-36	D-glucopyranose, C8-10 alkyl glycosides oligomers	<0,5	Eye Dam. 1, H318	
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43-XXXX	ethanol	<0,4	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	
Index: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 Registration number: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol	<0,25	Eye Irrit. 2, H319	1, 2
CAS: 101-86-0 EC: 202-983-3 Registration number: 01-2119533092-50-XXXX	hexyl cinnamal	<0,2	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	



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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 2809-21-4 EC: 220-552-8 Registration number: 01-2119510391-53-XXXX	1-hydroxyethylidene-1,1-diphosphonic acid	<0,16	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	
CAS: 6419-19-8 EC: 229-146-5 Registration number: 01-2119487988-08-XXXX	Aminotrimethylene phosphonic acid	<0,13	Met. Corr. 1, H290 Eye Irrit. 2, H319	

Notes

- 1 A substance for which exposure limits are set.
- 2 The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances.

4.2. Most important symptoms and effects, both acute and delayed

If inhaled

Inhaling vapours can cause corrosion of the breathing system.

If on skin

Causes skin irritation.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.



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5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed, original plastic container (high density polyethylene HDPE). Store this product in a dry environment that will be maintained at 5°C - 35°C temperature with a good ventilation system and an easy washable, nonabsorbable alkaline resistant floor. DO NOT expose the product to sunlight and keep away from heat, frost, sparks, flame and source of ignition.

Storage temperature min 5 °C, max 35 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union

Commission Directive 2006/15/EC

Substance name (component)	Type	Value
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	OEL 8 hours	67,5 mg/m ³
	OEL 8 hours	10 ppm
	OEL 15 minutes	101,2 mg/m ³
	OEL 15 minutes	15 ppm

DNEL

1-hydroxyethylidene-1,1-diphosphonic acid					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	6.5 mg/kg	Chronic effects systemic		SDS
Consumers	Oral	6.5 mg/kg	Acute effects systemic		SDS



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2-(2-butoxyethoxy)ethanol

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	20 mg/kg	Chronic effects systemic		SDS
Workers	Inhalation	67.5 mg/l	Chronic effects systemic		SDS
Workers	Inhalation	67.5 mg/l	Chronic effects local		SDS
Consumers	Inhalation	50.6 mg/l	Acute effects local		SDS
Consumers	Dermal	10 mg/kg	Chronic effects systemic		SDS
Consumers	Inhalation	3 mg/l	Chronic effects systemic		SDS
Consumers	Oral	1.25 mg/kg	Chronic effects systemic		SDS
Consumers	Inhalation	34 mg/l	Chronic effects local		SDS

Aminotrimethylene phosphonic acid

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	19.4 mg/m ³	Chronic effects local		karta charakterystyki
Workers	Inhalation	19.4 mg/m ³			karta charakterystyki
Workers	Dermal	4.8 mg/kg bw/day	Chronic effects local		karta charakterystyki
Workers	Dermal	4.8 mg/kg bw/day			karta charakterystyki

D-glucopyranose, C8-10 alkyl glycosides oligomers

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	595000 mg/kg	Chronic effects systemic		SDS
Workers	Inhalation	420 mg/m ³	Chronic effects systemic		SDS
Consumers	Dermal	357000 mg/kg	Chronic effects systemic		SDS
Consumers	Oral	35.7 mg/kg	Chronic effects systemic		SDS
Consumers	Inhalation	124 mg/m ³	Chronic effects systemic		SDS

ethanol

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	343 mg/kg	Chronic effects systemic		SDS
Workers	Inhalation	950 mg/m ³	Acute effects systemic		SDS
Workers	Dermal	1900 mg/kg	Acute effects systemic		SDS
Consumers	Dermal	206 mg/kg	Chronic effects systemic		SDS
Consumers	Oral	87 mg/kg	Chronic effects systemic		SDS
Consumers	Inhalation	114 mg/m ³	Chronic effects systemic		SDS
Consumers	Dermal	950 mg/kg	Acute effects systemic		SDS
Consumers	Inhalation	950 mg/m ³	Acute effects systemic		SDS

sodium hydroxide

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1.0 mg/m ³	Chronic effects local		SDS
Consumers	Inhalation	1.0 mg/m ³	Chronic effects local		SDS



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sulfonic acids, C14-16-hydroskalkane and C14-16-alkene, sodium salts

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	2158.33 mg/kg bw/day	Chronic effects systemic		karta charakterystyki
Workers	Inhalation	152.22 mg/m ³	Chronic effects systemic		karta charakterystyki
Consumers	Dermal	1295 mg/kg bw/day	Chronic effects systemic		karta charakterystyki
Consumers	Oral	12.95 mg/kg bw/day	Chronic effects systemic		karta charakterystyki
Consumers	Inhalation	45.04 mg/m ³	Chronic effects systemic		karta charakterystyki

PNEC

1-hydroxyethylidene-1,1-diphosphonic acid

Route of exposure	Value	Value determination	Source
Drinking water	0.136 mg/l		SDS
Marine water	0.014 mg/l		SDS
Microorganisms in sewage treatment	20 mg/l		SDS
Freshwater sediment	59 mg/kg		SDS
Sea sediments	5.9 mg/kg		SDS
Soil (agricultural)	96 mg/kg		SDS
Oral	0.012 mg/kg		SDS

2-(2-butoxyethoxy)ethanol

Route of exposure	Value	Value determination	Source
Drinking water	1 mg/l		SDS
Marine water	0.1 mg/l		SDS
Freshwater sediment	4 mg/kg		SDS
Sea sediments	0.4 mg/kg		SDS
Soil (agricultural)	0.4 mg/kg		SDS
Microorganisms in sewage treatment	200 mg/l		SDS
Oral	56 mg/kg		SDS

Aminotrimethylene phosphonic acid

Route of exposure	Value	Value determination	Source
Drinking water	0.46 mg/l		karta charakterystyki
Marine water	0.046 mg/l		karta charakterystyki
Freshwater sediment	150 mg/kg of dry substance		karta charakterystyki
Sea sediments	15 mg/kg of dry substance		karta charakterystyki
Soil (agricultural)	244 mg/kg of dry substance		karta charakterystyki
Microorganisms in sewage treatment	20 mg/l		karta charakterystyki



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D-glucopyranose, C8-10 alkyl glycosides oligomers

Route of exposure	Value	Value determination	Source
Drinking water	0.176 mg/l		SDS
Marine water	0.0176 mg/l		SDS
Water (intermittent release)	0.27 mg/l		SDS
Microorganisms in sewage treatment	560 mg/l		SDS
Freshwater sediment	1.516 mg/kg		SDS
Sea sediments	0.152 mg/kg		SDS
Soil (agricultural)	0.654 mg/kg		SDS
Oral	111.11 mg/kg		SDS

ethanol

Route of exposure	Value	Value determination	Source
Soil (agricultural)	0.63 mg/kg		SDS
Microorganisms in sewage treatment	580 mg/l		SDS
Marine water	0.79 mg/l		SDS
Freshwater sediment	3.6 mg/kg		SDS
Drinking water	0.96 mg/l		SDS

sulfonic acids, C14-16-hydroskylalkane and C14-16-alkene, sodium salts

Route of exposure	Value	Value determination	Source
Drinking water	0.024 mg/l		karta charakterystyki
Marine water	0.0024 mg/l		karta charakterystyki
Freshwater sediment	0.767 mg/kg		karta charakterystyki
Sea sediments	0.0767 mg/kg		karta charakterystyki
Soil (agricultural)	1.21 mg/kg		karta charakterystyki
Water (intermittent release)	0.0197 mg/kg		karta charakterystyki

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

When handling in long-term or repeatedly, use protective gloves.

Respiratory protection

Under regular circumstances it is not necessary. In case of inadequate ventilation wear respiratory protection.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	brown
Odour	according to fragrance
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available



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Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	13 (undiluted)
Kinematic viscosity	data not available
Solubility in water	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1.02 g/cm ³
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

1-hydroxyethylidene-1,1-diphosphonic acid								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀		3200 mg/kg		Rat (Rattus norvegicus)		Based on evidence	karta charakt erystyki
Inhalation	LD ₅₀		3000 mg/kg		Rat (Rattus norvegicus)		Based on evidence	karta charakt erystyki



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2-(2-butoxyethoxy)ethanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀		2410 mg/kg		Mouse			SDS
Dermal	LD ₅₀		2764 mg/kg		Rabbit			SDS

Aminotrimethylene phosphonic acid

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀		2910 mg/kg		Rat (Rattus norvegicus)			karta charakterystyki
Dermal	LD ₅₀		6310 mg/kg		Rabbit			karta charakterystyki

D-glucopyranose, C8-10 alkyl glycosides oligomers

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀	OECD 401	>5000 mg/kg		Rat			SDS
Dermal	LD ₅₀	OECD 402	>5000 mg/kg					SDS

ethanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀		6.2-15 g/l		Rat (Rattus norvegicus)			SDS
Oral	LDLo		6000 mg/kg		Human			SDS
	LDLo		7060 mg/kg		Rat (Rattus norvegicus)			SDS
Inhalation	LC ₅₀		<50 mg/l	4 hours	Rat (Rattus norvegicus)			SDS

sodium hydroxide

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Intraperitoneally	LD ₅₀		40 mg/kg		Mouse			SDS
Oral	LDLo		500 mg/kg		Rabbit			SDS
Oral	TDLo		44 mg/kg		Rat (Rattus norvegicus)			SDS

sulfonic acids, C14-16-hydroskalkane and C14-16-alkene, sodium salts

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀		2079 mg/kg		Rat			karta charakterystyki
Dermal	LD ₅₀		6300-13500 mg/kg		Rabbit			karta charakterystyki



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sulfonic acids, C14-16-hydroskalkane and C14-16-alkene, sodium salts

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Inhalation	LC ₅₀		> 52 mg/l	4 hours	Rat			karta charakterystryki

Skin corrosion/irritation

Causes skin irritation.

1-hydroxyethylidene-1,1-diphosphonic acid

Route of exposure	Result	Method	Exposure time	Species	Value determination	Source
	Irritating				Based on evidence	karta charakterystryki

Aminotrimethylene phosphonic acid

Route of exposure	Result	Method	Exposure time	Species	Value determination	Source
	Slightly irritating					karta charakterystryki

D-glucopyranose, C8-10 alkyl glycosides oligomers

Route of exposure	Result	Method	Exposure time	Species	Value determination	Source
	Slightly irritating					SDS

sulfonic acids, C14-16-hydroskalkane and C14-16-alkene, sodium salts

Route of exposure	Result	Method	Exposure time	Species	Value determination	Source
Dermal	Irritating	OECD 404		Rabbit		karta charakterystryki

Serious eye damage/irritation

Causes serious eye damage.

1-hydroxyethylidene-1,1-diphosphonic acid

Route of exposure	Result	Method	Exposure time	Species	Value determination	Source
	Serious eye damage				Based on evidence	karta charakterystryki

Aminotrimethylene phosphonic acid

Route of exposure	Result	Method	Exposure time	Species	Value determination	Source
	Irritating					karta charakterystryki



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Route of exposure	Result	Method	Exposure time	Species	Value determination	Source
	Serious eye damage					SDS

sulfonic acids, C14-16-hydroskalkane and C14-16-alkene, sodium salts

Route of exposure	Result	Method	Exposure time	Species	Value determination	Source
Eye	Irritating	OECD 405		Rabbit		karta charakterystyki

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

1-hydroxyethylidene-1,1-diphosphonic acid

Route of exposure	Result	Exposure time	Species	Sex	Value determination	Source
	No effect				Based on evidence	karta charakterystyki

sulfonic acids, C14-16-hydroskalkane and C14-16-alkene, sodium salts

Route of exposure	Result	Exposure time	Species	Sex	Value determination	Source
	Not sensitizing					karta charakterystyki

Germ cell mutagenicity

Based on available data the classification criteria are not met.

1-hydroxyethylidene-1,1-diphosphonic acid

Result	Exposure time	Specific target organ	Species	Sex	Value determination	Source
Negative					Based on evidence	karta charakterystyki

Carcinogenicity

Based on available data the classification criteria are not met.

1-hydroxyethylidene-1,1-diphosphonic acid

Route of exposure	Parameter	Value	Result	Species	Sex	Value determination	Source
			Not carcinogenic			Based on evidence	karta charakterystyki

Reproductive toxicity

Based on available data the classification criteria are not met.



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Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

1-hydroxyethylidene-1,1-diphosphonic acid

Route of exposure	Parameter	Value	Result	Species	Sex	Value determination	Source
			Negative			Based on evidence	karta charakterystyki

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

sulfonic acids, C14-16-hydroskalkane and C14-16-alkene, sodium salts

Route of exposure	Parameter	Value	Result	Species	Sex	Source
	NOAEL	259 mg/kg/24h				karta charakterystyki

Repeated dose toxicity

1-hydroxyethylidene-1,1-diphosphonic acid

Route of exposure	Parameter	Result	Value	Exposure time	Species	Sex	Value determination	Source
		Negative					Based on evidence	karta charakterystyki

Aspiration hazard

Based on available data the classification criteria are not met.

1-hydroxyethylidene-1,1-diphosphonic acid

Route of exposure	Result	Exposure time	Species	Sex	Value determination	Source
	Negative				Based on evidence	karta charakterystyki

11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

not available

Acute toxicity

1-hydroxyethylidene-1,1-diphosphonic acid

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC ₅₀		350 mg/l	96 hours			Based on evidence	karta charakterystyki



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Version

2.0

2-(2-butoxyethoxy)ethanol

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC ₅₀		1300 mg/l		Fish (Lepomis macrochirus)			SDS
EC ₅₀		>100 mg/l		Aquatic invertebrates (Daphnia magna)			SDS
EC ₅₀	OECD 201	>100 mg/l		Algae (Scenedesmus subspicatus)			SDS
EC ₁₀	OECD 209	>1995 mg/l					SDS

Aminotrimethylene phosphonic acid

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC ₅₀		297 mg/l	48 hours	Daphnia (Daphnia magna)			karta charakterystyki
NOEC		≥25 mg/l	28 days	Daphnia (Daphnia magna)			karta charakterystyki
LC ₅₀	OECD 203	8132 mg/l	96 hours	Fish			karta charakterystyki
LC ₅₀	OECD 203	1212 mg/l	96 hours	Fish			karta charakterystyki
LC ₅₀		160 mg/l	96 hours				karta charakterystyki
LC ₅₀		23 mg/l	60 days				karta charakterystyki
EC ₅₀		94 mg/l	48 hours				karta charakterystyki
NOEC		95 mg/l	96 hours				karta charakterystyki

D-glucopyranose, C8-10 alkyl glycosides oligomers

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC ₅₀	OECD 203	>100 mg/l	96 hours	Fish (Branchydanio rerio)			SDS
EC ₅₀		>100 mg/l	48 hours	Aquatic invertebrates (Daphnia magna)			SDS
EC ₅₀	OECD 201	>10<100 mg/l	72 hours	Algae (Desmodesmus subspicatus)			SDS
EC ₁₀		>100 mg/l	6 hours	Microorganisms (Pseudomonas putida)			SDS



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D-glucopyranose, C8-10 alkyl glycosides oligomers

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
NOEC	OECD 204	>1 mg/l	28 days	Fish (Branchydanio rerio)			SDS
NOEC	OECD 202	>1 mg/l	21 days	Daphnia (Daphnia magna)			SDS

sodium hydroxide

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC ₅₀		40.4 mg/l	48 hours	Aquatic invertebrates (Ceriodaphnia dubia)			SDS
EC ₅₀		22 mg/l	15 minutes	Microorganisms (Photobacterium phosphoreum)			SDS

sulfonic acids, C14-16-hydroskalkane and C14-16-alkene, sodium salts

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC ₅₀	OECD 202	4.53 mg/l	48 hours	Daphnia (Daphnia magna)			karta charakterystyki
ErC ₅₀	ISO 10253	5.2 mg/l	72 hours	Algae (Selenastrum capricornutum)			karta charakterystyki
LC ₅₀	OECD 203	4.2 mg/l	96 hours	Fish (Oncorhynchus mykiss)			karta charakterystyki
EC ₁₀	OECD 209	40 mg/ml	3 hours	Bacteria (Salmonella typhimurium)	Activated sludge		karta charakterystyki
NOEC	OECD 211	6.3 mg/l	21 days	Daphnia (Daphnia magna)			karta charakterystyki
NOEC		3.2 mg/l	72 hours	Algae (Selenastrum capricornutum)			karta charakterystyki

Chronic toxicity

1-hydroxyethylidene-1,1-diphosphonic acid

Parameter	Value	Exposure time	Species	Environment	Value determination	Source
EC ₅₀	229 mg/l	48 hours	Daphnia (Daphnia magna)		Based on evidence	karta charakterystyki

12.2. Persistence and degradability

Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended.



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Biodegradability

Aminotrimethylene phosphonic acid

Parameter	Method	Value	Exposure time	Environment	Result	Source
	OECD 301D	22-23 %	28 days		Hardly biodegradable	karta charaktery styki
EC ₀		200 mg/l	30 minutes			karta charaktery styki

D-glucopyranose, C8-10 alkyl glycosides oligomers

Parameter	Method	Value	Exposure time	Environment	Result	Source
					Biodegradable	karta charaktery styki
					Easily biodegradable	

12.3. Bioaccumulative potential

Data not available.

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

07 06 04 other organic solvents, washing liquids and mother liquors *

Packaging waste type code

15 01 02 plastic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant



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- 14.3. Transport hazard class(es)**
not relevant
- 14.4. Packing group**
not relevant
- 14.5. Environmental hazards**
No
- 14.6. Special precautions for user**
Reference in the Sections 4 to 8.
- 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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

2-(2-butoxyethoxy)ethanol

Restriction	Conditions of restriction
55	1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight. 2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. 3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows: "Do not use in paint spraying equipment".

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out for the mixture.
Sodium hydroxide: the manufacturer has performed a chemical safety assessment
ethanol: A Chemical Safety Assessment has been carried out
Sulfonic acids, C14-16-hydroskyalkane and C14-16-alkene, sodium salts: no data available
2-(2-butoxyethoxy)ethanol: A Chemical Safety Assessment has been carried out
Hexyl cinnamal: no data available
D-glucopyranose, C8-10 alkyl glycosides oligomers: the manufacturer has performed a chemical safety assessment
etidronic acid: A Chemical Safety Assessment has not been carried out.
Aminotrimethylene phosphonic acid: the manufacturer has not performed a chemical safety assessment

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H225 Highly flammable liquid and vapour.
H290 May be corrosive to metals.
H302 Harmful if swallowed.



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H314	Causes severe skin burns and eye damage.
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.
H411	Toxic to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P280	Wear eye 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 container to properly labeled waste containers in accordance with national regulations.

A list of additional standard phrases used in the safety data sheet

EUH208	Contains hexyl cinnamal. May produce an allergic reaction.
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Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₀	Concentration of a substance when it is affected 0% of the population
EC ₁₀	Concentration of a substance when it is affected 10% of the population
EC ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log K _{ow}	Octanol-water partition coefficient
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations



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UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Flam. Liq.	Flammable liquid
Met. Corr.	Corrosive to metals
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitization

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

General update

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.