

Safety Data Sheet

blomus

according to Regulation (EC) No 1907/2006

Cinnamon & Apple

Revision date: 04.04.2024

Product code: blomus-030

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Cinnamon & Apple

UFI: YN98-304J-H00C-YUK8

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Air freshener

Uses advised against

The product is only to be used for the intended application.

1.3. Details of the supplier of the safety data sheet

Company name:	blomus GmbH	
Street:	Zur Hubertushalle 4	
Place:	D-59846 Sundern	
Telephone:	+49 2933 831 0	Telefax: +49 2933 831 201
E-mail (Contact person):	info@blomus.com	
Internet:	www.blomus.com	

1.4. Emergency telephone number:

Poison Control Center (Mayence, GER): +49 (0)6131 - 19240 (24h) This safety data sheet is an English translation of the EU safety data sheet and is not suitable for the distribution in a specific country.

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

Eye Irrit. 2; H319
 Skin Sens. 1; H317
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**

EUGENOL, CINNAMAL, 4-tert-BUTYLCYCLOHEXYL ACETATE, beta-CARYOPHYLLENE, COUMARIN, METHYLCINNAMIC ALDEHYDE, DIMETHYLTETRAHYDRO BENZALDEHYDE, ETHYL METHYLPHENYLGLYCIDATE, LINALOOL, D-LIMONENE, CINNAMONITRILE, CINNAMYL ALCOHOL, EUCALYPTOL, ISOEUGENOL

Signal word: Warning

Pictograms:**Hazard statements**

H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.

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P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Do not discard content with household waste and forward for disposal according to regional/national guidelines.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Relevant ingredients

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (Regulation (EC) No 1272/2008)	
100-79-8	2,2-dimethyl-1,3-dioxolan-4-ylmethanol (ISOPROPYLIDENEGLYCEROL)	85 - < 90 %
	202-888-7	
	Eye Irrit. 2; H319	
20298-69-5	cis-2-tert-butylcyclohexyl acetate	3 - < 5 %
	243-718-1	
	Aquatic Chronic 2; H411	
97-53-0	eugenol (EUGENOL)	2 - < 3 %
	202-589-1	
	Eye Irrit. 2, Skin Sens. 1B; H319 H317	
120-51-4	benzyl benzoate	2 - < 3 %
	204-402-9	607-085-00-9
	Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 2; H302 H400 H411	
104-55-2	cinnamaldehyde (CINNAMAL)	2 - < 3 %
	203-213-9	
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1A; H312 H315 H319 H317	
32210-23-4	4-tert-butylcyclohexyl acetate (4-tert-BUTYLCYCLOHEXYL ACETATE)	1.3 - < 1.5 %
	250-954-9	
	Skin Sens. 1B; H317	
87-44-5	caryophyllene (beta-CARYOPHYLLENE)	1.3 - < 1.5 %
	201-746-1	
	Skin Sens. 1, Asp. Tox. 1; H317 H304	
91-64-5	coumarin (COUMARIN)	1.3 - < 1.5 %
	202-086-7	
	Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3; H302 H317 H412	
15174-47-7	(2E)-2-methyl-3-phenylacrylaldehyde (METHYLCINNAMIC ALDEHYDE)	1.3 - < 1.5 %
	701-219-0	
	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2; H317 H400 H411	
105-53-3	diethyl malonate	1.3 - < 1.5 %
	203-305-9	
	Eye Irrit. 2; H319	
123-68-2	allyl hexanoate	0.3 - < 0.5 %
	204-642-4	
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Aquatic Acute 1, Aquatic Chronic 3; H331 H311 H301 H400 H412	
68737-61-1	Dimethylcyclohex-3-ene-1-carbaldehyde (DIMETHYLTETRAHYDRO BENZALDEHYDE)	0.3 - < 0.5 %
	272-113-5	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411	
77-83-8	ethyl 2,3-epoxy-3-phenylbutyrate (ETHYL METHYLPHENYLGLYCIDATE)	0.1 - < 0.2 %
	201-061-8	
	Skin Sens. 1B, Aquatic Chronic 2; H317 H411	
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (LINALOOL)	0.1 - < 0.2 %

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	201-134-4	603-235-00-2	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B; H315 H319 H317		
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)		0.1 - < 0.2 %
	227-813-5	601-096-00-2	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 3; H226 H315 H317 H304 H400 H412		
1885-38-7	Cinnamonnitrile (CINNAMONITRILE)		0.1 - < 0.2 %
	217-552-5		
	Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Skin Sens. 1B; H301 H332 H312 H317		
104-54-1	cinnamyl alcohol (CINNAMYL ALCOHOL)		0.1 - < 0.2 %
	203-212-3		
	Acute Tox. 4, Skin Sens. 1B, Aquatic Chronic 2; H302 H317 H411		
470-82-6	cineole (EUCALYPTOL)		0.1 - < 0.2 %
	207-431-5		
	Flam. Liq. 3, Skin Sens. 1B; H226 H317		
97-54-1	isoeugenol (ISOEUGENOL)		<0,01 %
	202-590-7	604-094-00-X	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1A, STOT SE 3; H332 H312 H302 H315 H319 H317 H335		

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
100-79-8	202-888-7	2,2-dimethyl-1,3-dioxolan-4-ylmethanol (ISOPROPYLIDENEGLYCEROL)	85 - < 90 %
	oral: LD50 = 7000 mg/kg		
120-51-4	204-402-9	benzyl benzoate	2 - < 3 %
	oral: ATE = 500 mg/kg Aquatic Acute 1; H400: M=1		
104-55-2	203-213-9	cinnamaldehyde (CINNAMAL)	2 - < 3 %
	dermal: ATE = 1100 mg/kg Skin Sens. 1A; H317: >= 0,01 - 100		
91-64-5	202-086-7	coumarin (COUMARIN)	1.3 - < 1.5 %
	oral: ATE = 500 mg/kg		
123-68-2	204-642-4	allyl hexanoate	0.3 - < 0.5 %
	inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg		
5989-27-5	227-813-5	(R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)	0.1 - < 0.2 %
	Aquatic Acute 1; H400: M=1		
1885-38-7	217-552-5	Cinnamonnitrile (CINNAMONITRILE)	0.1 - < 0.2 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 100 mg/kg		
104-54-1	203-212-3	cinnamyl alcohol (CINNAMYL ALCOHOL)	0.1 - < 0.2 %
	oral: ATE = 500 mg/kg		
97-54-1	202-590-7	isoeugenol (ISOEUGENOL)	<0,01 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg Skin Sens. 1A; H317: >= 0,01 - 100		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection!

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After inhalation

If irritations or allergic reactions should occur as a consequence of handling the product (particularly if large quantities have been inhaled): Move victim to fresh air. Put victim at rest and keep warm. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, consult a physician.

After contact with eyes

Remove contact lenses. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth, spit liquid again. Do NOT induce vomiting. Let water be drunken in little sips (dilution effect). Call a physician in any case!

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

Irritations upon eye contact and irritations/allergic reactions upon contact with skin.

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

Treat symptomatically.

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

Co-ordinate fire-fighting measures to the fire surroundings.
Water fog. alcohol resistant foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide. Carbon dioxide. Irritating/poisonous gasses and vapours.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.
Protective clothing.

Additional information

Suppress gases/vapours/mists with water spray jet.
Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.
Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up**For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

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6.4. Reference to other sections

Safe handling: see section 7
 Personal protection equipment: see section 8
 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

When in use in confined, warm rooms: Ensure adequate ventilation. Do not spray on naked flames or any incandescent material. Avoid contact with skin and eyes.

At the place of work (in production and when refilling): Wear personal protection equipment.

Do not empty into drains; dispose of this material and its container in a safe way.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Usual measures for fire prevention.

Advice on general occupational hygiene

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

Further information on handling

When using do not eat, drink or smoke. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Keep only in the original container.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agents. Peroxides. acid. Acid chlorides, inorganic. Ammonia.

Further information on storage conditions

Protect from sunlight and heat sources. Avoid ignition sources.

7.3. Specific end use(s)

Air freshener

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (LINALOOL)			
Worker DNEL, long-term		inhalation	systemic	2,8 mg/m ³
Worker DNEL, acute		inhalation	systemic	16,5 mg/m ³
Worker DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	5 mg/kg bw/day
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)			
Worker DNEL, long-term		inhalation	systemic	66,7 mg/m ³
Worker DNEL, long-term		dermal	systemic	9,5 mg/kg bw/day

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PNEC values

CAS No	Substance	Value
Environmental compartment		
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (LINALOOL)	
Freshwater		0,2 mg/l
Marine water		0,02 mg/l
Freshwater sediment		2,22 mg/kg
Marine sediment		0,222 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,327 mg/kg
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)	
Freshwater		0,014 mg/l
Marine water		0,0014 mg/l
Freshwater sediment		3,85 mg/kg
Marine sediment		0,385 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,8 mg/l
Soil		0,763 mg/kg

Additional advice on limit values

Currently there are no further exposure limits available.

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection

Under normal usage conditions, not necessary.

At the place of work (in production and when refilling): Eye glasses with side protection

Hand protection

Within the recommended use no hand protection is required, as the product does not come into contact with skin.

At the place of work (in production and when refilling):

Protective gloves according to EN 374. Glove material: nitrile rubber / NBR (layer thickness \geq 0,5mm, penetration time: $>$ 8h)

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Under normal usage conditions, not necessary.

At the place of work (in production and when refilling): Protective clothing.

Respiratory protection

Under normal usage conditions, not necessary.

At the place of work (in production and when refilling):

exceeding exposure limit values: gas filtering equipment (EN 141).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: colourless

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Odour:	characteristic	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and boiling range:		No data available
Flammability:		not applicable
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		No data available
Auto-ignition temperature:		No data available
Decomposition temperature:		No data available
pH-Value:		7,2
Viscosity / kinematic: (at 20 °C)		No data available
Water solubility:		No data available
Solubility in other solvents		
No data available		
Dissolution rate:		No data available
Partition coefficient n-octanol/water:		No data available
Dispersion stability:		No data available
Vapour pressure: (at 20 °C)		No data available
Vapour pressure:		No data available
Density:		No data available
Relative density:		No data available
Bulk density:		No data available
Relative vapour density:		No data available
Particle characteristics:		No data available

9.2. Other information

Information with regard to physical hazard classes

Explosive properties		
No data available		
Sustaining combustion:		No data available
Self-ignition temperature		
Gas:		No data available
Oxidizing properties		
No data available		

Other safety characteristics

Evaporation rate:		No data available
Solvent separation test:		No data available
Viscosity / dynamic:		No data available
Flow time:		No data available

Further Information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactivity under regular conditions.

10.2. Chemical stability

The product is stable under normal environmental conditions (room temperature).

10.3. Possibility of hazardous reactions

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No dangerous reactions to be expected if used properly.

10.4. Conditions to avoid

Heat sources, open flames and other ignition sources.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide. Carbon dioxide. Irritating/poisonous gasses and vapours.

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

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) 7043 mg/kg; ATE (dermal) 25203 mg/kg; ATE (inhalation vapour) 800,2 mg/l; ATE (inhalation dust/mist) 133,4 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
100-79-8	2,2-dimethyl-1,3-dioxolan-4-ylmethanol (ISOPROPYLIDENEGLYCEROL)				
	oral	LD50 7000 mg/kg	Rat		
120-51-4	benzyl benzoate				
	oral	ATE 500 mg/kg			
104-55-2	cinnamaldehyde (CINNAMAL)				
	dermal	ATE 1100 mg/kg			
91-64-5	coumarin (COUMARIN)				
	oral	ATE 500 mg/kg			
123-68-2	allyl hexanoate				
	oral	ATE 100 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			
1885-38-7	Cinnamionitrile (CINNAMONITRILE)				
	oral	ATE 100 mg/kg			
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
104-54-1	cinnamyl alcohol (CINNAMYL ALCOHOL)				
	oral	ATE 500 mg/kg			
97-54-1	isoeugenol (ISOEUGENOL)				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction. (eugenol (EUGENOL); cinnamaldehyde (CINNAMAL); 4-tert-butylcyclohexyl acetate (4-tert-BUTYLCYCLOHEXYL ACETATE); caryophyllene (beta-CARYOPHYLLENE); coumarin (COUMARIN); (2E)-2-methyl-3-phenylacrylaldehyde (METHYLCINNAMIC ALDEHYDE); Dimethylcyclohex-3-ene-1-carbaldehyde (DIMETHYLTETRAHYDRO BENZALDEHYDE); ethyl 2,3-epoxy-3-phenylbutyrate (ETHYL METHYLPHENYLGLYCIDATE); linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (LINALOOL); (R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE); Cinnamionitrile (CINNAMONITRILE); cinnamyl alcohol (CINNAMYL ALCOHOL); cineole (EUCALYPTOL); isoeugenol (ISOEUGENOL))

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Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Further information

No data available

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
120-51-4	benzyl benzoate					
	Acute fish toxicity	LC50	<=1 mg/l	96 h	supplier statement	

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
87-44-5	caryophyllene (beta-CARYOPHYLLENE)	6,23
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (LINALOOL)	2,9
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)	4,38

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not dispose of residual product with household waste and do not empty into the sink or toilet.

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Content/container must be handed in at a certified special waste collection point.
According to the European Waste Catalogue (EWC), allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.
Recommended cleaning agent: Water (with cleaning agent)

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special precautions known.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Information according to Directive

Not subject to 2012/18/EU (SEVESO III)

2012/18/EU (SEVESO III):

Additional information

Regulation (EC) No. 648/2004 [Detergents regulation]: not applicable

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable

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Regulation (EC) No 2019/1021 on persistent organic pollutants: not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

Additional information

Observe in addition any national regulations!

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,9,11,12,16.

Version 1,00 - 09.02.2022 - first creation

Version 1,01 - 04.04.2024 - Change and revision of the SDS because of new information / recipe

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Abbreviations and acronyms

Flam. Liq: Flammable liquid
 Acute Tox: Acute toxicity
 Asp. Tox: Aspiration hazard
 Skin Irrit: Skin irritation
 Eye Irrit: Eye irritation
 Skin Sens: Skin sensitisation
 STOT SE: Specific target organ toxicity - single exposure
 Aquatic Acute: Acute aquatic hazard
 Aquatic Chronic: Chronic aquatic hazard
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 BImSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act
 CAS: Chemical Abstracts Service
 DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)
 EC: Effective Concentration
 EG: European Community (Europäische Gemeinschaft)
 EN: European Norm
 IATA: International Air Transport Association
 IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk
 ICAO: International Civil Aviation Organization
 IMDG: International Maritime Code for Dangerous Goods
 ISO: Norm of the International Standards Organization
 CLP: Classification, Labeling, Packaging
 IUCLID: International Uniform Chemical Information Database
 LC: Lethal concentration
 LD: Lethal dose
 log Kow: Octanol/water partition coefficient
 MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships
 OECD: Organisation for Economic Co-operation and Development
 PBT: Persistent, bio-cumulative, toxic
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
 TRGS: Technische Regeln für Gefahrstoffe
 UN: United Nations
 VOC: Volatile Organic Compounds
 vPvB: very persistent and very bio-cumulative
 VwVwS: Administrative Regulation for Water Pollutants
 WGK: German Water Hazard Class
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 DNEL: Derived No Effect Level
 PNEC: Predicted No Effect Concentration
 TLV: Threshold Limiting Value
 STOT: Specific Target Organ Toxicity

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
 H301 Toxic if swallowed.

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H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)