

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

1.1. Product identifier

Product form : Mixture
Name : BIO BLOCKS
UFI : 07J5-N08U-800U-0A7F
Product code : BB
Type of product : Detergent
Product group : Trade product

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

Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : For professional use only
Use of the substance/mixture : Toilet Blocks
Function or use category : Toilet Blocks

1.3. Details of the supplier of the safety data sheet

Supplier

BIO PRODUCTIONS LIMITED
72 VICTORIA ROAD,
VICTORIA INDUSTRIAL ESTATE
BURGESS HILL
WEST SUSSEX
RH15 9LH

BIO PRODUCTIONS EUROPE LIMITED
38 MAIN STREET
SWORDS
Co. DUBLIN
IRELAND
K67E0A2

TEL: 0044 (0) 1444 244 000
EMAIL: TECHNICAL@BIO-PRODUCTIONS.COM
WEB: WWW.BIO-PRODUCTIONS.COM

1.4. Emergency telephone number

Emergency number : 0044 (0) 1444 244 000

Country/Area	Organisation/Company	Address	Emergency number	Comment
France	Centre antipoison d'Angers C.H.U	4, rue Larrey 49933 Angers Cedex 9	+33 2 41 48 21 21	
Germany	Giftberatung Virchow-Klinikum, Medizinische Fakultät der Humboldt - Universität zu Berlin Abt. Innere Medizin mit Schwerpunkt Nephrologie und Intensivmedizin	Augustenberger Platz 1 13353		
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

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Country/Area	Organisation/Company	Address	Emergency number	Comment
Italy	Centro Antiveneni di Bergamo Azienda Ospedaliera Papa Giovanni XXII	Piazza OMS - Organizzazione Mondiale della Sanità, 1 24127 Bergamo	800 88 33 00	
Norway	Giftinformasjonen	Folkehelseinstituttet Postboks 222 Skøyen 0213 Oslo	+47 22 59 13 00	Operating hours 24 hours / 24 hours, 7 days a week
Poland	Pracownia Informacji Toksykologicznej i Analiz Laboratoryjnych Uniwersytetu Jagiellońskiego - Collegium Medicum	ul. Jakubowskiego 2 IV-piętro, pok. 48, Oddział Toksykologii 31-501 Kraków	+48 12 411 99 99	
Spain	Unidad de Toxicología Clínica Servicio de Urgencias	Hospital Clinic I Provincial de Barcelona C/Villarroel, 170 08036	+34 93 227 98 33 +34 93 227 54 00 bleep 190	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral) Not classified
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 1 H318
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412
Full text of H- and EUH-statements: see section 16

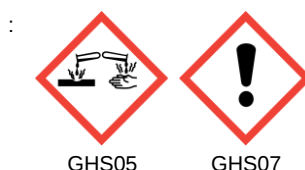
Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage. Skin sensitization. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: Benzenesulphonic acid mono C10-13 alkyl derivs sodium salts; dipentene; limonene; citral; terpinolene

Hazard statements (CLP)

: H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P261 - Avoid breathing vapours, mist, fume.
P264 - Wash hands thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 - Immediately call a doctor.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents and container to an approved waste disposal plant.

Unknown hazards to the aquatic environment (CLP) : Contains 2 % of components with unknown hazards to the aquatic environment

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzenesulphonic acid mono C10-13 alkyl derivs sodium salts	CAS-No.: 68411-30-3 EC-No.: 270-115-0 REACH-no: 01-2119489428-22	10 – 30	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE Not classified Aquatic Chronic 3, H412
terpinolene	CAS-No.: 586-62-9 EC-No.: 209-578-0 REACH-no: 01-2119982325-32	1 -<2	Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
sodium carbonate	CAS-No.: 497-19-8 EC-No.: 207-838-8 EC Index-No.: 011-005-00-2 REACH-no: 01-2119485498-19	1 – 3	Eye Irrit. 2, H319
diphenyl ether	CAS-No.: 101-84-8 EC-No.: 202-981-2 REACH-no: 01-2119472545-33	0.1 – 1	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
dipentene; limonene	CAS-No.: 138-86-3 EC-No.: 205-341-0 EC Index-No.: 601-029-00-7 REACH-no: 05-2114120906-52	0.1 - <0.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
citral	CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829-23	0.1 - <1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Bacteria Species (non pathogen) (1 x 10 ¹¹ cfu/g)	-	0.1 – 1	Not classified

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Drink plenty of water. Do not induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: None under normal use.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

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	: The product is not flammable. Use extinguishing agent suitable for surrounding fire. Water spray. Dry powder. Foam.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable.
Explosion hazard	: Product is not explosive.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.
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For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Mechanically recover the product. Collect spillage.
Other information	: Dispose of materials or solid residues at an authorized site.

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6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Does not require any specific or particular technical measures.
Storage conditions	: Store in a well-ventilated place. Keep cool.
Incompatible products	: Strong acids. Strong bases.
Special rules on packaging	: Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

dipentene; limonene (138-86-3)	
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	150 mg/m ³ (TGG - 8u)
	300 ppm (TGG - 15min)
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	140 mg/m ³ (TGG - 8u)
	25 ppm (TGG - 8u)
diphenyl ether (101-84-8)	
France - Occupational Exposure Limits	
VME (OEL TWA)	7 mg/m ³ (TGG - 8u)
	1 ppm (TGG - 8u)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	7.1 mg/m ³ (TGG - 8u)
	7.1 mg/m ³ (TGG - 15min)
United Kingdom - Occupational Exposure Limits	
Local name	Diphenyl ether
WEL TWA (OEL TWA)	7 mg/m ³ (TGG - 8u)
	1 ppm (TGG - 8u)
WEL STEL (OEL STEL)	14 mg/m ³ (TGG - 15min)
	1 ppm (TGG - 15min)

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diphenyl ether (101-84-8)

Norway - Occupational Exposure Limits

Grenseverdi (OEL TWA)	7 mg/m ³ (TGG - 8u)
	1 ppm (TGG - 8u)

DNEL and PNEC

sodium carbonate (497-19-8)

DNEL/DMEL (Workers)

Acute - local effects, inhalation	10 mg/m ³
Long-term - local effects, inhalation	10 mg/m ³

DNEL/DMEL (General population)

Acute - local effects, inhalation	10 mg/m ³
Long-term - local effects, inhalation	10 mg/m ³

dipentene; limonene (138-86-3)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	33.3 mg/m ³
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citral (5392-40-5)

DNEL/DMEL (Workers)

Long-term - systemic effects, inhalation	9 mg/m ³
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8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

ISO 374-1.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Eye protection not applicable

Skin protection

Skin and body protection:

Wear suitable protective clothing

Skin and body protection

Type	Standard
Normal overalls	

Hand protection:

Protective gloves

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Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	2 (> 30 minutes)	0.4		EN ISO 374
Disposable gloves	Butyl rubber	6 (> 480 minutes)	0.7		EN ISO 374

Other skin protection

Materials for protective clothing:

Wear suitable protective clothing. Wear protective clothing. Wear protective gloves

Other skin protection Materials for protective clothing		
Condition	Material	Standard
	Normal overalls	

Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Avoid contact with skin. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Blue.
Appearance	: Blue. Solid.
Odour	: Fresh. fruity odour.
Odour threshold	: No reliable data available > mg/m ³
Melting point	: Not possible as a mixture. Lowest known value of component is 199 degrees celcius
Freezing point	: The product has not been tested for this property
Boiling point	: Not possible as a mixture. Lowest known value of component is >444 degrees celcius
Flammability	: Non flammable.
Explosive properties	: Product is not explosive.
Oxidising properties	: Oxidising solids Not applicable.
Lower explosion limit	: The product has not been tested for this property
Upper explosion limit	: The product has not been tested for this property
Flash point	: Not relevant. the product is a solid.
Auto-ignition temperature	: Not relevant. the product is a solid.
Decomposition temperature	: The product has not been tested for this property
pH	: Not relevant. the product is a solid.
pH solution concentration	: 1 % pH = 8-9
Viscosity, kinematic	: Not relevant. the product is a solid.
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: The product has not been tested for this property
Vapour pressure	: The product has not been tested for this property
Vapour pressure at 50°C	: The product has not been tested for this property
Density	: ≥ 1.52 – ≤ 1.54 g/cm ³
Relative density	: The product has not been tested for this property
Relative vapour density at 20°C	: The product has not been tested for this property
Particle size	: The product has not been tested for this property

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9.2. Other information

Other safety characteristics

Relative evaporation rate (butylacetate=1) : No reliable data available
Miscibility : > g/100ml

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong bases. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Benzenesulphonic acid mono C10-13 alkyl derivs sodium salts (68411-30-3)

LD50 oral rat	1080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	1080 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

sodium carbonate (497-19-8)

LD50 oral rat	2800 mg/kg bodyweight Animal: rat
LD50 oral	4090 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	2300 mg/l

citral (5392-40-5)

LD50 oral	4960 mg/kg bodyweight
LD50 dermal	2250 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.
pH: Not relevant. the product is a solid.

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sodium carbonate (497-19-8)	
pH	≈ 11.6 Concentration: (≈)0,1 other:

Serious eye damage/irritation : Causes serious eye damage.
pH: Not relevant. the product is a solid.

sodium carbonate (497-19-8)	
pH	≈ 11.6 Concentration: (≈)0,1 other:

Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Benzenesulphonic acid mono C10-13 alkyl derivs sodium salts (68411-30-3)	
LOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat
NOAEL (dermal, rat/rabbit, 90 days)	2500 mg/kg bodyweight Animal: rat
NOAEL (subchronic, oral, animal/female, 90 days)	50 mg/kg bodyweight Animal: , Animal sex: female

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

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Viscosity, kinematic	Not relevant. the product is a solid.

Benzenesulphonic acid mono C10-13 alkyl derivs sodium salts (68411-30-3)	
Viscosity, kinematic	Not applicable

sodium carbonate (497-19-8)	
Viscosity, kinematic	Not applicable

Bacteria Species (non pathogen) (1 x 10 ¹¹ cfu/g)	
Viscosity, kinematic	Not applicable

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
Unknown hazards to the aquatic environment (CLP) : Contains 2 % of components with unknown hazards to the aquatic environment
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Benzenesulphonic acid mono C10-13 alkyl derivs sodium salts (68411-30-3)	
LC50 - Fish [1]	1.67 mg/l Test organisms (species): Lepomis macrochirus
LC50 - Fish [2]	2.88 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	2.9 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	2.9 mg/l waterflea
EC50 - Other aquatic organisms [2]	127.9 mg/l
EC50 72h - Algae [1]	29 mg/l

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Benzenesulphonic acid mono C10-13 alkyl derivs sodium salts (68411-30-3)	
NOEC (chronic)	1.18 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.23 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '72 d'

sodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l Test organisms (species): Lepomis macrochirus
EC50 - Crustacea [1]	≥ 200 – ≤ 227 mg/l Test organisms (species): Ceriodaphnia sp.
EC50 - Crustacea [2]	≥ 200 – ≤ 227 mg/l Test organisms (species): Ceriodaphnia sp.
EC50 - Other aquatic organisms [1]	265 mg/l waterflea

citral (5392-40-5)	
LC50 - Fish [1]	4.1 mg/l
EC50 - Other aquatic organisms [1]	7 mg/l waterflea
EC50 - Other aquatic organisms [2]	5 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Biodegradable. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Benzenesulphonic acid mono C10-13 alkyl derivs sodium salts (68411-30-3)	
Persistence and degradability	Rapidly degradable

sodium carbonate (497-19-8)	
Persistence and degradability	Rapidly degradable

Bacteria Species (non pathogen) (1 x 10 ¹¹ cfu/g)	
Persistence and degradability	Rapidly degradable

dipentene; limonene (138-86-3)	
Persistence and degradability	Rapidly degradable

diphenyl ether (101-84-8)	
Persistence and degradability	Rapidly degradable

citral (5392-40-5)	
Persistence and degradability	Rapidly degradable

terpinolene (586-62-9)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	The product has not been tested for this property
Bioaccumulative potential	No bioaccumulation.

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Benzenesulphonic acid mono C10-13 alkyl derivs sodium salts (68411-30-3)

Partition coefficient n-octanol/water (Log Pow)	3.32
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sodium carbonate (497-19-8)

Partition coefficient n-octanol/water (Log Pow)	-6.19
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citral (5392-40-5)

Partition coefficient n-octanol/water (Log Pow)	2.8
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12.4. Mobility in soil

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Ecology - soil	Adsorbs into the soil.
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12.5. Results of PBT and vPvB assessment

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Results of PBT assessment	Not classified as PBT or vPvB
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12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

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14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

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-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Detergent Regulation (648/2004)

Allergenic fragrances > 0.01 %:

dipentene; limonene

Dimethylbenzyl carbonyl acetate

citral

Citronellol

terpinolene

Labelling of contents

Component	%
anionic surfactants	≥15-<30%
perfumes	
limonene	

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Labelling of contents	
Component	%
Citral	
citronellol	
Terpinolene	

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Poland

Polish National Regulations : Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).
Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488).
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Supersedes version of	Modified
16	Data sources	Added

BIO BLOCKS

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
vPvB	Very Persistent and Very Bioaccumulative
SDS	Safety Data Sheet
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
PBT	Persistent Bioaccumulative Toxic
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EN	European Standard
IARC	International Agency for Research on Cancer
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PNEC	Predicted No-Effect Concentration
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
ED	Endocrine disruptor

Data sources : Supplier's safety documents.

BIO BLOCKS

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Other information : Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP].

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE Not classified	Specific target organ toxicity (repeated exposure) Not classified

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Acute Tox. Not classified (Oral)		Expert judgement
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	Calculation method

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.