

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 30.01.2018 Revision date: 15.09.2023 Supersedes version of: 26.07.2023 Version: 2.2

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

1.1. Product identifier	
Product form	: Substance
Trade name	: LYSOZYM
UFI	: 03Y0-J4PH-6009-5CCT
EC-No.	: 232-954-0
CAS-No.	: 9066-59-5
REACH registration No.	: 01-2120086351-59
Type of product	: For ænological use
Formula	: C616H963N193O182S10 x HCl
Synonyms	: Lysozyme hydrochloride; Muramidase
Product group	: Trade product
Other means of identification	: E1105
1.2. Relevant identified uses of the substance	or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Professional use
Industrial/Professional use spec	: For professional users only
Use of the substance/mixture	: Enzyme with endo-glucosidase activity; hen egg white extract. Enzyme to delay or prevent
ose of the substance, mixture	malolactic fermentation by degrading lactic bacterial cell walls (Gram +).
Use of the substance/mixture	: For eenological use
ose of the substance/ mixture	

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

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1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145	13 11 26	
Canada	Ontario Poison Centre (OPC)	The Hospital for Sick Children 555 University Avenue ON M5G 1X8 Toronto	1-800-268-9017 (416) 813-5900	
Canada	BC Drug and Poison Information Centre (DPIC)	655 West 12th Avenue BC V5Z 4R4 Vancouver	1-800-567-8911 (604) 682-5050	
China	National Poison Control Center	Chinese Center for Disease Control and Prevention Nanwei road, No.29 100050 Beijing	+86 10 831 32 046	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	Information available 24/7 in Croatian and English
Czech Republic	Toxikologické informační středisko Klinika pracovního lékařství VFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Denmark	Giftlinjen	Bispebjerg Bakke 23 Opgang 20 C 2400 København NV	+45 82 12 12 12	
Georgia	National Toxicology Information Advisory Center	Tbilisi State Medical University Department of Toxicology - 7 Asatiani St. 380 077 Tbilisi	+995 99 533320	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	
Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096	+972 4 854 1900	
Japan	Japan Poison Information Center	Tsukuba Medical Center 1-1-1 Amakubo 305-0005 Tsukuba City, Ibaraki	+81-29-856-3566 +81-72-727-2499	
Jordan	National Drug & Poison Information Center of Jordan		0798506755 00962-6-5353444	
Kazakhstan	Republican Toxicology Center	Tole-bi 93 480083 Almaty	+7 3272 925 868	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
New Zealand	National Poisons Centre	Dunedin School of Medicine, University of Otago PO Box 913 9054 Dunedin	0800 764 766 +56 2 2 247 3600	

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Country	Organisation/Company	Address	Emergency number	Comment
Poland	National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)	ul. Teresy 8 P.O. BOX 199 90950 Łódź	+48 42 63 14 724	
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucuresti	+40 21 230 8000	
Russia	Информационно-консультативный центр по токсикология (RTIAC) Министерство здравоохранения Российской Федерации	3 Сухаревская Площадь Блок 7 129090 г. Москва	+7 495 628 1687 (только на русском)	
Serbia	Nacionalni centar za kontrolu trovanja - VMA	Crnotravska 17 11000 Beograd	+381 11 360 84 40	
Slovenia	Center za klinično toksikologijo in farmakologijo Interna klinika, UKCL	Zaloška 7 1000 Ljubljana	+386 522 52 83	
South Africa	Tygerberg Poison Information Centre	Division of Clinical Pharmacology Faculty of Medicine and Heath Sciences Stellenbosch University - PO Box 241 8 000 Cape Town	0861 555 777 +56 2 2 247 3600	
Sweden	Giftinformationscentralen	Solna Strandväg 21 171 54 Solna	112 – begär Giftinformation	
Turkey	Ulusal Zehir Merkezi (UZEM) Refik Saydam Hıfzısıhha Merkezi Başkanlığı	Cemal Gürsel Cd. No: 18 Sıhhiye Çankaya 06590 Ankara	114	Information is provided to public and medical personnel on poisoning incidents via 114.
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United States of America	American Association of Poison Control Centers	515 King St., Suite 510 VA 22314 Alexandria	1-800-222-1222 +56 2 2 247 3600	

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2.1. Classification of the substance or	mixture
Classification according to Regulation (EC) I	lo. 1272/2008 [CLP]
Respiratory sensitisation, Category 1	H334
Full text of H- and EUH-statements: see sect	ion 16
Adverse physicochemical, human health an	d environmental effects
May cause allergy or asthma symptoms or b	reathing difficulties if inhaled.
2.2. Label elements	
Labelling according to Regulation (EC) No. 1	272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS08
Signal word (CLP) Hazard statements (CLP)	: Danger : H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary statements (CLP)	: P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.
	P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER, doctor.
	P284 - In case of inadequate ventilation wear respiratory protection.
	P501 - Dispose of contents and container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.

Other hazards which do not result in classification

: May cause sensitization by inhalation and skin contact. mild eye irritation. mild skin irritation.

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances	
Substance type	: Mono-constituent
Name	: Lysozym
CAS-No.	: 9066-59-5
EC-No.	: 232-954-0

Name	Product identifier	%
Lysozyme (E1105)	CAS-No.: 9066-59-5 EC-No.: 232-954-0	100
	REACH-no: 01-2120086351-59	

3.2. Mixtures

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If symptoms persist call a doctor. Sensitisation : contact can cause allergic reactions in humans. Call a poison center or a doctor if you feel unwell.

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First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If symptoms persist, call a physician. Wash skin with plenty of water.
First-aid measures after eye contact	 In case of eye contact, immediately rinse with clean water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately give plenty of water. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effec	ts, both acute and delayed
Symptoms/effects Symptoms/effects after inhalation	 More detailed information: See section 11. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Cough, difficult breathing or other symptoms of poisoning may occur within some hours.
Symptoms/effects after skin contact	: Slight irritation.

: May cause irritation to the digestive tract.

: mild eye irritation.

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

Treat symptomatically.

Symptoms/effects after eye contact

Symptoms/effects after ingestion

SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: If there is a fire close by, use suitable extinguishing agents. carbon dioxide (CO2), powder, alcohol- resistant foam, water spray. Water spray. Dry powder. Foam.		
Unsuitable extinguishing media	: Do not use water jet.		
5.2. Special hazards arising from the substance or mixture			
Fire hazard Hazardous decomposition products in case of fire	 In case of fire and/or explosion do not breathe fumes. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. May cause allergy or asthma symptoms or breathing difficulties if inhaled. 		
5.3. Advice for firefighters			
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.		
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		
Other information	: Do not contaminate ground and surface water. Dispose in a safe manner in accordance with local/national regulations.		

6.1. Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel		
Protective equipment	: Wear personal protective equipment.	
Emergency procedures	: Ventilate spillage area. Do not touch or walk on the spilled product. Avoid contact with skin and eyes. Avoid breathing dust, mist or spray. Avoid breathing dust/fume/gas/mist/vapours/spray.	
Measures in case of dust release	: Avoid dust formation.	

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6.1.2. 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".

6.2. Environmental precautions

Avoid release to the environment. Do not flush into surface water or sewer system. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	: Dust deposited may be vacuum cleaned or the area hosed down with water. Mechanically recover the product. Contain leaking substance, pump over in suitable containers. Clean contaminated surfaces with an excess of water.	
Other information	: Dispose of materials or solid residues at an authorized site. Do not allow to enter drains or water courses.	

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 Wear personal protective equipment. Avoid dust formation. Ensure good ventilation of the work station. Local exhaust is recommended where dust may occur. Avoid contact with skin and eyes. Wear recommended personal protective equipment. Store tightly closed in a dry and cool place. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. If on skin, take off contaminated clothing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Always wash hands after handling the product.
7.2. Conditions for safe storage, including any i	incompatibilities
Technical measures Storage conditions	 Keep only in the original container. Keep in a well-ventilated room. Store in a dry, cool place. Keep out of direct sunlight. Keep container tightly closed to prevent moisture pick-up. Store in a well-ventilated place. Keep cool.
Incompatible products Incompatible materials Heat and ignition sources	 None to our knowledge. None to our knowledge. Keep away from ignition sources (including static discharges).

7.3. Specific end use(s)

For œnological use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

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8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Avoid dust formation. Ensure the ventilation system is regularly maintained and tested.

8.2.2. Personal protection equipment

Personal protective equipment:

Refer to protective measures listed in Sections 7 and 8.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Use eye protection according to EN 166, designed to protect against powders and dusts. Safety glasses with side shields. Safety glasses

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses	Dust	With side shields	EN 166

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

In case of repeated or prolonged contact wear gloves. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear. Nitrile rubber gloves. Butyl rubber gloves. Latex gloves. ISO 374-1. Wash hands immediately after handling the product

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.4		EN ISO 374

Other skin protection

Materials for protective clothing:

Long sleeved protective clothing

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Wear a half mask respirator with type P2L filter or better. EN 143. [In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Do not allow into drains or water courses. May be discharged to wastewater treatment installation. Avoid release to the environment.

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Other information:

Do not eat, drink or smoke during work. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties Physical state : Solid Colour : White to off-white. : Powder. Appearance Odour : Product (article) characteristics. : Not available Odour threshold Melting point : Not available Freezing point : Not applicable Boiling point : Not available Flammability : Non flammable. **Explosive properties** : Not explosive. Oxidising properties : Not oxidising. : Not applicable **Explosive limits** Lower explosion limit : Not applicable Upper explosion limit : Not applicable : Not applicable Flash point Auto-ignition temperature : Not applicable Decomposition temperature : ≈ 208 °C рΗ : Not available pH solution : 3-3,62% Viscosity, kinematic Not applicable : Solubility Soluble in water. Insoluble in oils/fats. Water: 285 g/l 20°C - pH 4 Partition coefficient n-octanol/water (Log Kow) : Not available Partition coefficient n-octanol/water (Log Pow) : -2 25°C Vapour pressure : ≈ 147 Pa 20°C Vapour pressure at 50°C : Not available Density : Not available : ≈ 0,988 20°C **Relative density** Relative vapour density at 20°C Not applicable : Particle size Not available Particle size distribution Not available Particle shape Not available Particle aspect ratio : Not available : Not available Particle aggregation state : Not available

: Not available

: Not available

9.2. Other information

Particle dustiness

Particle agglomeration state Particle specific surface area

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

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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

Keep away from heat and direct sunlight. Heat. flames or sparks. Moisture.

10.5. Incompatible materials

None to our knowledge.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : See Section 5.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Lysozyme (E1105) (9066-59-5)	
LD50 oral rat	> 5050 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LD50 dermal rabbit	> 5050 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 2,51 mg/l/4h Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)
Skin corrosion/irritation	: Not irritating to skin (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not irritating to eyes (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Repeated or prolonged contact may cause allergic reactions in very susceptible persons
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)
Lysozyme (E1105) (9066-59-5)	
NOAEL (animal/male, F0/P)	> 200 mg/kg
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)
Lysozyme (E1105) (9066-59-5)	
NOAEL (oral, rat, 90 days)	> 500 mg/kg bodyweight/day
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
LYSOZYM (9066-59-5)	
Viscosity, kinematic	Not applicable

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Sensitisation : contact can cause allergic reactions in humans

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SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general :	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term : (acute)	Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term : (chronic)	Not classified (Based on available data, the classification criteria are not met)
Lysozyme (E1105) (9066-59-5)	
LC50 - Fish [1]	> 1 g/l Test organisms (species): Cyprinus carpio
LC50 - Fish [2]	> 1 g/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	> 1 mg/l Daphnia magna
EC50 72h - Algae [1]	97 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

ErC50 algae > 97 mg/l 72h - Desmodesmus subspicatus

12.2. Persistence and degradability

Lysozyme (E1105) (9066-59-5)	
Persistence and degradability	Readily biodegradable.
Additional information	The substance is an enzyme (biological material); therefore it can be considered ready biodegradable. No specific information exists on the abiotic degradation of the substance in the environment via hydrolysis or photolysis. However, considering that enzymes generally have a great biodegradation potential, possible abiotic degradation mechanisms in the environmental is expected to be of lower significance compared to biodegradation process.

12.3. Bioaccumulative potential

LYSOZYM (9066-59-5)		
Partition coefficient n-octanol/water (Log Pow) -2 25°C		
Lysozyme (E1105) (9066-59-5)		
Partition coefficient n-octanol/water (Log Pow) ≈ -2 25°C		
Bioaccumulative potential There is no bioaccumulation.		

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects

: Do not allow to enter drains or water courses

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Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.
Product/Packaging disposal recommendations	: Empty remaining contents. Dispose of contents/container in accordance with licensed collector' sorting instructions.

14.1. UN number or ID number		
UN-No. (ADR)	: Not regulated	
UN-No. (IMDG)	: Not regulated	
UN-No. (IATA)	: Not regulated	
UN-No. (ADN)	: Not regulated	
UN-No. (RID)	: Not regulated	
14.2. UN proper shipping name		
Proper Shipping Name (ADR)	: Not regulated	
Proper Shipping Name (IMDG)	: Not regulated	
Proper Shipping Name (IATA)	: Not regulated	
Proper Shipping Name (ADN)	: Not regulated	
Proper Shipping Name (RID)	: Not regulated	
14.3. Transport hazard class(es)		
ADR		
Transport hazard class(es) (ADR)	: Not regulated	
IMDG		
Transport hazard class(es) (IMDG)	: Not regulated	
ΙΑΤΑ		
Transport hazard class(es) (IATA)	: Not regulated	
ADN		
Transport hazard class(es) (ADN)	: Not regulated	
	· · · · · · · · · · · · · · · · · · ·	
RID		
Transport hazard class(es) (RID)	: Not regulated	
14.4. Packing group		
Packing group (ADR)	: Not regulated	
Packing group (IMDG)	: Not regulated	
Packing group (IATA)	: Not regulated	
Packing group (ADN)	: Not regulated	
Packing group (RID)	: Not regulated	
14.5. Environmental hazards		
Dangerous for the environment	: No	
Marine pollutant	: No	
Other information	: No supplementary information available	

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14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea Not regulated

Not regulated

Air transport Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

15.1.1. EU-Regulations

Not listed on REACH Annex XVII Not listed on the REACH Candidate List Not listed on REACH Annex XIV (Authorisation List) Not listed on the PIC list (Regulation EU 649/2012) Not listed on the POP list (Regulation EU 2019/1021) Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

15.1.2. National regulations

Germany Water hazard class (WGK) : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV) Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV) Netherlands SZW-lijst van kankerverwekkende stoffen : Lysozym is listed SZW-lijst van mutagene stoffen : Lysozym is listed SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed SZW-lijst van reprotoxische stoffen - Ontwikkeling : The substance is not listed Denmark **Danish National Regulations** : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

A chemical safety assessment has been carried out No chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
1.1	REACH registration No.	Added	
1.1	UFI	Added	
2.2	Precautionary statements (CLP)	Modified	
4.2	Symptoms/effects after inhalation	Modified	
5.1	Suitable extinguishing media	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
5.3	Firefighting instructions	Added	
6.1	Emergency procedures	Added	
6.1	General measures	Modified	
6.2	Environmental precautions	Modified	
6.3	Methods for cleaning up	Modified	
6.3	Other information	Modified	
7.1	Hygiene measures	Modified	
7.2	Storage conditions	Modified	
7.2	Incompatible products	Added	
7.2	Incompatible materials	Added	
8.2	Appropriate engineering controls	Modified	
8.2	Eye protection	Modified	
8.2	Hand protection	Modified	
9.1	Partition coefficient n-octanol/water (Log Pow)	Modified	
9.1	Explosive properties	Added	
9.1	Oxidising properties	Added	
10.5	Incompatible materials	Added	
10.6	Hazardous decomposition products	Added	
11.1	Reason for no classification	Added	
11.1	Skin corrosion/irritation - comment	Added	
11.1	Serious eye damage/irritation - comment	Added	
11.1	Respiratory or skin sensitisation - comment	Added	
12.	Reason for no classification	Added	
13.1	Regional legislation (waste)	Added	
15.2	Chemical safety assessment	Modified	

Abbreviations and acrony	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	

Safety Data Sheet

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

AFEAcute Toxicity EstimateBCFBioconcentration factorBLVBiologial linit valueBOUBiochemical oxygen demand (BO)CDDChemical oxygen demand (CDD)CDDChemical oxygen demand (CDD)DNELDerived Minimal Effect levelDNELDerived Minimal Effect levelCNOKorgen Community numberECS0Median effective concentrationENAEuropean StandardARCInternational Arrongor facesarch on CancerIATAInternational Arrongor StackationIATAInternational Arrongor StackationIADGInternational Arrongor StackationIA	Abbreviations and acronyms:	
Biv Biological limit value BDD Biochemical oxygen demand (BOD) CDD Chemical oxygen demand (COD) DMEL Derived Minimal Effect level DMEL Derived Mos Effect Level EC-No. European Comunity number EC-No. European Standard International Agency for Research on Cancer International Agency for Research on Cancer IARA International Agency for Research on Cancer IASA International Agency for Research on Cancer IASA International Agency for Research on Cancer IARA International Agency for Research on Cancer IASA Median Iethal dose IASA Median Iethal dose IASA No-Observed Adverse Effect Level NAEL No-Observed Adverse Effect Level IASA No-Observed Adverse Effect Cancentration IASA No-Observed Adverse E	ATE	Acute Toxicity Estimate
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TLM Median Tolerance Limit VOC Volatile Organic Compounds CAS-No. Chemical Abstract Service number N.O.S. Not Otherwise Specified vPvB Very Persistent and Very Bioaccumulative	STP	Sewage treatment plant
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CAS-No. Chemical Abstract Service number N.O.S. Not Otherwise Specified vPvB Very Persistent and Very Bioaccumulative	TLM	Median Tolerance Limit
N.O.S. Not Otherwise Specified vPvB Very Persistent and Very Bioaccumulative	VOC	Volatile Organic Compounds
vPvB Very Persistent and Very Bioaccumulative	CAS-No.	Chemical Abstract Service number
	N.O.S.	Not Otherwise Specified
ED Endocrine disrupting properties	vPvB	Very Persistent and Very Bioaccumulative
	ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Resp. Sens. 1	Respiratory sensitisation, Category 1

Safety Data Sheet

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

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.