

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 11/9/2020 Version: 1.0

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

Product form	: Mixture	
Product name	: SERADERZ EPO (A Component)	
	SERABOND EPO (A Component)	
Product code	: 8301	
	7301	

1.2.1. Relevant identified uses

Main use category Use of the substance/mixture : Industrial use, Professional use : SERADERZ EPO (A Component):Two Component, Epoxy Based, Durable Joint Sealant SERABOND EPO (A Component): Two Component, Epoxy Based, Ceramic Adhesive And Filler

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

İNTERFİKS YAPI KİMYASALLARI İNŞAAT SANAYİ VE TİCARET A.Ş. Cavusbasi Cad. Yedekreis Sk. 7/2 Kavacık Beykoz T +90 (216) 425 1898 - F +90 (216) 425 2099 interfiks@interfiks.com.tr - www.interfiks.com.tr

1.4. Emergency telephone number

Emergency number

: +90 (0216) 425 18 89

SECTION 2: Hazards identification

Classification according to Regulation (EC) No. 1272/2008 [CLP]		
Skin corrosion/irritation, Category 2	H315	
Serious eye damage/eye irritation, Category 2		
Skin sensitisation, Category 1		
Hazardous to the aquatic environment — Chronic Hazard, Category 2		
Full text of H statements : see section 16		

Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic 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) Contains

- : Warning
 - : Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-

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Hazard statements (CLP)	 H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face 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/face protection/hearing protection. P302+P352 - IF ON SKIN: Wash with plenty of 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. P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier		Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phenol, 4,4'-[2,2,2-trifluoro-1- (trifluoromethyl)ethylidene]bis-	(CAS-No.) 1478-61-1 (EC-No.) 216-036-7	< 40	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures after inhalation First-aid measures after skin contact	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. 	
First-aid measures after eye contact First-aid measures after ingestion	 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a poison center or a doctor if you feel unwell. 	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/effects after skin contact Symptoms/effects after eye contact	Irritation. May cause an allergic skin reaction.Eye irritation.	
4.3. Indication of any immediate medical attention and special treatment needed		

Treat symptomatically.

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SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Water spray. Dry powder. Foam.		
5.2. Special hazards arising from the substance or mixture			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.		
5.3. Advice for firefighters			
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				
6.1.1. For non-emergency personnel				
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.				
6.1.2. For emergency responders				
Protective equipment : Do not attempt to take action without suitable protective equipment. For further refer to section 8: "Exposure controls/personal protection".				
6.2. Environmental precautions				
Avoid release to the environment.				
6.3. Methods and material for containment an	id cleaning up			
	Collect spillage. Mechanically recover the product. Dispose of materials or solid residues at an authorized site.			

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling Hygiene measures	 Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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			
Storage conditions	: Store in a well-ventilated place. Keep cool.		
7.3. Specific end use(s)			

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Gloves. Gas mask.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Pasty.
Colour	: yellowish.
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.75 – 1.85 g/cm ³
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available

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Oxidising properties Explosive limits No data availableNot applicable

9.2. Other information

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.

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

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information			
 Not classified Not classified Not classified 			
yl)ethylidene]bis- (1478-61-1)			
3400 mg/kg			
 Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Not classified Not classified 			
: Not classified			
: Not classified			
: Not classified			
: Not classified			

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SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: Toxic to aquatic life with long lasting effects.Hazardous to the aquatic environment, short-term (acute): Not classifiedHazardous to the aquatic environment, long-term (chronic): Toxic to aquatic life with long lasting effects.Not rapidly degradable: Toxic to aquatic life with long lasting effects.
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Results of PBT and vPvB assessment
No additional information available
12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number		· · · ·		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shippin	g 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				
14.6 Special procession	a far upor			

14.6. Special precautions for user

Overland transport

Not applicable

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Transport by sea Not applicable

Air transport Not applicable Inland waterway transport Not applicable Rail transport Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

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
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose

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LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Data sources

: ECHA (European Chemicals Agency). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Supplier's safety documents.

Full text of H- and EUH-statements:		
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H411	Toxic to aquatic life with long lasting effects.	

The classification complies with : ATP 12

SDS EU (REACH Annex II)

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.



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1.1. Product identifier	
Product form	: Mixture
Product name	: SERADERZ EPO (B Component)
	SERABOND EPO (B Component)
Product code	: 8301
	7301
1.2. Relevant identified uses	of the substance or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Industrial use, Professional use

Use of the substance/mixture

: SERADERZ EPO (B Component): Two Component, Epoxy Based, Durable Joint Sealant SERABOND EPO (B Component): Two Component, Epoxy Based, Ceramic Adhesive And Filler

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

İNTERFİKS YAPI KİMYASALLARI İNŞAAT SANAYİ VE TİCARET A.Ş. Cavusbasi Cad. Yedekreis Sk. 7/2 Kavacık Beykoz T +90 (216) 425 1898 - F +90 (216) 425 2099 interfiks@interfiks.com.tr - www.interfiks.com.tr

1.4. Emergency telephone number

Emergency number

: +90 (0216) 425 18 89

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4	H302
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411
Full toxt of H statements : and position 16	

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Harmful if inhaled. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



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Hazard statements (CLP)	 H302+H332 - Harmful if swallowed or if inhaled. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	 H411 - Toxic to aquatic life with long lasting effects. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. 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/face protection/hearing protection. P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P352 - IF ON SKIN: Wash with plenty of water. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 - Immediately call a POISON CENTRE or doctor. P312 - Call a POISON CENTRE or doctor. P312 - Call a POISON CENTRE or doctor. P312 - Call a POISON CENTRE or doctor. P312 - Call a POISON CENTRE or doctor. P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl alcohol	(CAS-No.) 100-51-6 (EC-No.) 202-859-9 (EC Index-No.) 603-057-00-5	25 – 50	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332
3-aminomethyl-3,5,5-trimethylcyclohexylamine	(CAS-No.) 2855-13-2 (EC-No.) 220-666-8 (EC Index-No.) 612-067-00-9	10 – 25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412
MXDA	(CAS-No.) 1477-55-0 (EC-No.) 216-032-5	10 – 25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Skin Sens. 1B, H317 Aquatic Chronic 3, H412

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nonylphenol	(CAS-No.) 25154-52-3	≤ 2.5	Acute Tox. 4 (Oral), H302
substance listed as REACH Candidate (4-	(EC-No.) 246-672-0		Skin Corr. 1B, H314
Nonylphenol, branched and linear [substances with a	(EC Index-No.) 601-053-00-8		Repr. 2, H361fd
inear and/or branched alkyl chain with a carbon			Aquatic Acute 1, H400
number of 9 covalently bound in position 4 to phenol,			Aquatic Chronic 1, H410
covering also UVCB- and well-defined substances			
which include any of the individual isomers or a			
combination thereof])			
substance listed in REACH Annex XIV (4-			
Nonylphenol, branched and linear, ethoxylated			
substances with a linear and/or branched alkyl chain			
with a carbon number of 9 covalently bound in			
position 4 to phenol, ethoxylated covering UVCB- and			
well-defined substances, polymers and homologues,			
which include any of the individual isomers and/or			
combinations thereof))			

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	 Call a physician immediately. Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	 Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
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	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effe	ects, both acute and delayed
Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	Burns. May cause an allergic skin reaction.Serious damage to eyes.Burns.

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	: Water spray. Dry powder. Foam. Carbon dioxide.			
5.2. Special hazards arising from the substance or mixture				
Hazardous decomposition products in case of fire	: Toxic fumes may be released.			
5.3. Advice for firefighters				
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, protectiv	e equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.	

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6.1.2. For emergency responders

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Protective equipment
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: 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.

6.3. Methods and material for containment and cleaning up			
For containment Methods for cleaning up Other information	 Collect spillage. Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. 		
6.4. Reference to other sections			

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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			
Storage conditions	: Store locked up. Store in a well-ventilated place. Keep cool.		
7.3. Specific end use(s)			

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment: Gas mask. Gloves.

 Hand protection:

 Protective gloves

 Eye protection:

 Safety glasses

Skin and body protection:

Wear suitable protective clothing

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Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Yellowish
Odour : Characteristic
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Density : 0.95-1.05 g/cm ³
Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

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.

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).

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information	tion
11.1. Information on toxicological effect	ts
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Harmful if swallowed. Not classified Harmful if inhaled.
SERADERZ EPO (B Component)	
ATE CLP (oral)	645.161 mg/kg bodyweight
ATE CLP (dust,mist)	3 mg/l/4h
MXDA (1477-55-0)	
LD50 dermal rat	> 3100 mg/kg bodyweight Animal: rat
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity	 Causes severe skin burns. Causes serious eye damage. May cause an allergic skin reaction. Not classified Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

12.1. Toxicity

Ecology - general Hazardous to the aquatic environment, short-term	: Toxic to aquatic life with long lasting effects. : Not classified
(acute) Hazardous to the aquatic environment, long-term	: Toxic to aquatic life with long lasting effects.
(chronic) Not rapidly degradable	

MXDA (1477-55-0)		
LC50 fish 1 87.6 mg/l Test organisms (species): Oryzias latipes		
EC50 Daphnia 1 15.2 mg/l Test organisms (species): Daphnia magna		
EC50 72h algae (1)	20.3 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 72h algae (2)	33.3 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
LOEC (chronic)	15 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

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NOEC (chronic)	4.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
12.2. Persistence and degradability			
No additional information available			
12.3. Bioaccumulative potential			
No additional information available			
12.4. Mobility in soil			
No additional information available			
12.5. Results of PBT and vPvB assessment			
Component			
nonylphenol (25154-52-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

ADR IMDG IATA ADN RID				
	INIDG			
14.1. UN number				
UN 1760	UN 1760	UN 1760	UN 1760	UN 1760
14.2. UN proper shippin	14.2. UN proper shipping name			
CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S.	Corrosive liquid, n.o.s.	CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S.
Transport document descr	iption			
UN 1760 CORROSIVE LIQUID, N.O.S., 8, II, (E), ENVIRONMENTALLY HAZARDOUS	UN 1760 CORROSIVE LIQUID, N.O.S., 8, II, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 1760 Corrosive liquid, n.o.s., 8, II, ENVIRONMENTALLY HAZARDOUS	UN 1760 CORROSIVE LIQUID, N.O.S., 8, II, ENVIRONMENTALLY HAZARDOUS	UN 1760 CORROSIVE LIQUID, N.O.S., 8, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard	class(es)			
8	8	8	8	8
	B	B B		
14.4. Packing group				
II	II	II	II	II

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.5. Environmental hazards Dangerous for the environment : Yes Marine pollutant : Yes Marine pollutant : Yes Dangerous for the environment : Yes Dangerous for the environment : Yes Dangerous for the environment : Yes Dangerous for the environment : Yes Dangerous for the environment : Yes Dangerous for the environment : Yes Dangerous for the environment : Yes Dangerous for the environment : Yes Mo supplementary information available Image: State	according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830					
erviconment : Yes environment	14.5. Environmental haza	irds				
Act. Special processions for user Overland transport Classification code (ADR) : C9 Special provisions (ADR) : 274 Limited quantities (ADR) : 11 Excepted quantities (ADR) : P001, IBC02 Mixed packing provisions (ADR) : P001, IBC02 Mixed packing provisions (ADR) : P01, IBC02 Vince for fan carriage : AT Transport (see (ADR)) : L4BN Vince for fan carriage : AT Transport (see (ADR)) : 2 Hazard dentification number (Kemier No.) : 80 Transport (see (ADR)) : 2 Proleting provisions (IMDG) : 274 Limited quantities (IMDG) : 274 Limited quantities (IMDG) : 11 Propering places : 1 Excepted quantities (IMDG) : 11 Tark instructions (IMDG) : 112 Tark instructions (IMDG) : 112 Tark instructions (IMDG) : 112 Tark instructions (IMDG) : 112 Tark instructions (IMDG) : 112 Tark instructions (IMDG) : 112 Tark instructions (IMDG) </th <th>-</th> <th>environment : Yes</th> <th>-</th> <th>-</th> <th>-</th>	-	environment : Yes	-	-	-	
Consult ransportClassification code (ADR): 0 9Special provisions (ADR): 11Excepted quantities (ADR): 12Packing instructions (ADR): P001, IRC02Packing instructions (ADR): P011, IRC02Portable tark and bulk container instructions (ADR): T11Portable tark and bulk container instructions (ADR): T12, TP27(ADR): P02, IP27(ADR): ATTransport category (ADR): ATTransport category (ADR): B0Crange plates: B0Transport category (ADR): B0Transport category (ADR): 274Linded quantities (MDG): T11Packing instructions (MDG): T24Packing instructions (MDG): C11Excepted quantities (MDG): C2Packing instructions (MDG): E1Packing instructions (MDG): TP2, TP27Packing instructions (MDG): C2Packing instructions (MDG): C2Packing instructions (MDG): C2Excepted quantities (MDG): E2Packing instructions (MDG): E2Packing instructions (MDG): C3Structions (MDG): C3Structions (MDG): C4EmS-No. (Spliger): C4Packing instructions (MDG): C3Structions (MDG): C3Packing instructions (MDG): C3Packing instructions (MDG): C3Packing instructions (MDG): C3Packing instructions (MDG): C3Packing instructi	No supplementary information	available				
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Special provisions (ADR)2 274Linterd quantities (ADR)1Excepted quantities (ADR)1001, IBC02Mach packing provisions (ADR)111Portable tark and bulk container instructions (ADR)111Portable tark and bulk container instructions (ADR)111Tark code (ADR)1 P2, TP27(ADR)1 P2, TP27Tark code (ADR)2Lansport category (ADR)2Hazard identification number (Kemter No.)80Orange plates2Tansport category (ADR)2Tansport category (ADR)2Linter restriction code (ADR)2Tansport sport sport sport500Tansport sport	Overland transport					
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Excepted quantites (ADR) : E2 Packing instructions (ADR) : P101 Portable tark and bulk container instructions (ADR) : T11 Portable tark and bulk container instructions (ADR) : T12 Tark code (ADR) : L4BN Vahicle for tark carriage : AT Tansport ategory (ADR) : 2 Hazard identification number (Kemler No.) : 8 Orange plates : 80 Tansport ategory (ADR) : E E Tansport ategory (ADR) : 2 Packard identification number (Kemler No.) : 80 Tansport ategory (ADR) : E E Tansport ategory (ADR) : 2 Packard identification number (Kemler No.) : 80 Tansport ategory (ADR) : 2 Packard identification number (Kemler No.) : 80 Tansport ategory (ADR) : 2 Packard identification number (Kemler No.) : 80 Tansport ategory (ADR) : 2 Packard instructions (MDG) : 2 Packard instructions (MDG) : 2 Packard instructions (MDG) : 1 E Capeted quantities (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 1 E Packard instructions (MDG) : 2 Packard instructions (MDG) : 2 Packard instructions (MDG) : 2 Packard quantities (ATA) : 2 Packard quantities (ATA) : 2 Packard quantities (ATA) : 2 Packard quantities (ATA) : 2 Packard quantities (ATA) : 3 Packard instructions (MTA) : 3 Packard quantities (ATA) : 3 Packard quantities (ATA) : 3 Packard quantities (ATA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Packard instructions (MTA) : 3 Pa	Special provisions (ADR)	: 274	ļ			
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80 Tunnel restriction code (ADR) : E Transport by sea	Hazard identification number (Kemler No.) : 80				
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Tunnel restriction code (ADR) E Transport by sea		-				
Transport by sea Final Action of the action of	Tuppel restriction and (ADP)					
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Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Excepted quantities (RID) Packing instructions (RID) Mixed packing provisions (RID) Portable tank and bulk container instructions (RID) Portable tank and bulk container special provisions	: E2 : P001, IBC02 : MP15 : T11 : TP2, TP27
(RID) Tank codes for RID tanks (RID) Transport category (RID) Colis express (express parcels) (RID)	: L4BN : 2 : CE6
Hazard identification number (RID)	: 80

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration $\ge 0.1\%$ or with a lower specific limit: 4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] (EC 246-672-0, CAS 25154-52-3)

Contains REACH Annex XIV substances: 4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] (EC 246-672-0, CAS 25154-52-3)

Substances subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals: Nonylphenols C6H4(OH)C9H19 (25154-52-3)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

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
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
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	
Repr. 2	Reproductive toxicity, Category 2	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H332	Harmful if inhaled.	
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	

The classification complies with : ATP 12

SDS EU (REACH Annex II)

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.