

FluviPox[®] blue Hardener 120 (Comp. B)

according to Regulation (EC)
Nr. 1907/2006

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name **FluviPox[®] blue Hardener 120** (Comp. B)

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

Use of the Hardener for FluviPox blue 120 - Resin (Comp.A)

1.3 Details of the supplier of the safety data sheet

Company Fluvius GmbH
Berta-Benz-Straße 22
D-40670 Meerbusch

Telephone +49 (0) 2159-675 00-0
Telefax +49 (0) 2159-675 00-19
Email-adresse info@fluvius.de

1.4 Emergency telephone number

+49 (0) 2159 - 675 00-0 (08:00 - 17:00 Uhr)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity , Category 4

H302 Harmful if swallowed.

Skin corrosion , Category 1A

H314 Causes severe skin burns and eye damage.

Skin sensitisation , Category 1

H317 May cause an allergic skin reaction.

Specific target organ toxicity - repeated exposure , Category 2

H373 May cause damage to organs through prolonged or repeated exposure.

Chronic aquatic toxicity , Category 2

H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

Danger

Hazard statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements Prevention

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/ doctor.

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Hazardous components which must be listed on the label

Polyamide polymer
4,4'-methylenebis(cyclohexylamine)
3-aminomethyl-3,5,5-trimethylcyclohexylamin

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. Composition/information on ingredients

3.1 Mixtures

Chemical nature Aliphatic Amine

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-	9046-10-0	Skin Corr. 1C; H314 Eye Dam. 1; H318 Aquatic Chronic 2; H411	>= 30 - < 50
Polyamide polymer	68082-29-1	Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 25 - < 30
4,4'-methylenebis(cyclohexylamine)	1761-71-3 217-168-8	Acute Tox. 4; H302 Skin Corr. 1A; H314 Skin Sens. 1; H317 STOT RE 2; H373	>= 20 - < 25
3-aminomethyl-3,5,5- trimethylcyclohexylamine	2855-13-2 220-666-8 01-2119514687-32	Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Chronic 3; H412	>= 12,5 - < 20
Amines, polyethylenepoly-, triethylenetetramine fraction	90640-67-8 292-588-2 01-2119487919-13	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Skin Sens. 1B; H317 Aquatic Chronic 3; H412	>= 3 - < 5

For explanation of abbreviations see section 16.

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4. First aid measures

4.1 Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. Keep warm and in a quiet place. Take off all contaminated clothing immediately.
If inhaled	Move to fresh air. Keep patient warm and at rest. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners. If on clothes, remove clothes. Burns must be treated by a physician.
In case of eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist. If easy to do, remove contact lens, if worn.
If swallowed	Do NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Call a physician immediately. Give small amounts of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	Corrosive effects Burn.
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment	The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
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5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO ₂), Foam, Dry powder, Water mist.
Unsuitable extinguishing media	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	The pressure in sealed containers can increase under the influence of heat. Cool closed containers exposed to fire with water spray. Hazardous decomposition products formed under fire conditions.
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5.3 Advice for firefighters

Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Further information	In the event of fire and/or explosion do not breathe fumes. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Immediately evacuate personnel to safe areas. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Refer to protective measures listed in sections 7 and 8. Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation.
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6.2 Environmental precautions

Environmental precautions	Do not allow uncontrolled discharge of product into the environment. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.
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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Pick up and transfer to properly labelled containers.
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6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours or spray mist. Avoid inhalation, ingestion and contact with skin and eyes. Wear personal protective equipment. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
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Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition.
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Hygiene measures	Provide adequate ventilation. Wash hands and face before breaks and immediately after handling the product.
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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.
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Further information on storage conditions	Protect from moisture
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Advice on common storage	Keep away from isocyanates. Do not store near acids.
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other data	Stable at normal ambient temperature and pressure.
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7.3 Specific end use(s)

Specific use(s)	Consult the technical guidelines for the use of this substance/mixture.
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8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Poly[oxy(methyl-1,2-ethanediy)], .alpha.-(2- aminomethylethyl)-.omega.-(2- aminomethyl-ethoxy)-
End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 2,5 mg/kg

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term local effects
Value: 0,623 mg/cm²

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 1,25 mg/kg

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term local effects
Value: 0,311 mg/cm²

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 0,04 mg/kg

Amine, polyethylenpoly-, triethylenetetramine fraction
End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 0,57 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 1 mg/m³

End Use: Consumer use
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 0,25 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 0,29 mg/m³

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Short-term exposure
Value: 5380 mg/m³

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Poly[oxy(methyl-1,2-ethanediy)], .alpha.-(2- aminomethylethyl)-.omega.-(2- aminomethyl-ethoxy)-
Fresh water Value: 0,015 mg/l
Marine water Value: 0,0143 mg/l
Fresh water sediment Value: 0,132 mg/kg
Marine sediment Value: 0,125 mg/kg
Soil Value: 0,0176 mg/kg
Intermittent releases Value: 0,15 mg/l
Sewage treatment plant Value: 7,5 mg/l

3-aminomethyl-3,5,5- trimethylcyclohexylamine
Fresh water Value: 0,06 mg/l
Marine water Value: 0,006 mg/l
Intermittent releases Value: 0,23 mg/l
Fresh water sediment Value: 5,784 mg/kg
Marine sediment Value: 0,578 mg/kg
Sewage treatment plant Value: 3,18 mg/l
Soil Value: 1,121 mg/kg

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Amine, Polyethylenpoly-, triethylenetetramine fraction	Sewage treatment plant
	Value: 4,25 mg/l
	Fresh water
	Value: 0,135 mg/l
	Fresh water sediment
	Value: 2,08 mg/kg
	Marine water
	Value: 0,0027 mg/l
	Marine sediment
	Value: 0,123 mg/kg
Soil	
Value: 1,67 mg/kg	
Intermittent releases	
Value: 0,2 mg/l	

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	blue
Odour	ammoniacal
Odour Threshold	Not determined
pH	Not determined
Melting point/freezing point	Not applicable
Boiling point/boiling range	> 150 °C
Flash point	200 °C
Evaporation rate	Not determined
Upper explosion limit	Not applicable
Lower explosion limit	Not applicable
Vapour pressure	Not applicable
Relative vapour density	Not determined
Density	0,95 g/cm ³ (25 °C)
Bulk density	Not determined
Solubility(ies)	
Solubility in other solvents	Not determined
Partition coefficient n- octanol/water	No data available
Auto-ignition temperature	Not applicable
Thermal decomposition	Method: No data available
Viscosity, dynamic	50 - 90 mPa.s (25 °C)
Viscosity, kinematic	Not determined
Explosive properties	Not applicable
Oxidizing properties	Not applicable

9.2 Other information

Surface tension	Not determined
Sublimation point	Not applicable

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system.
Effective ventilation in all processing areas.

Personal protective equipment

Eye protection	Safety glasses with side-shields conforming to EN166 Do not wear contact lenses. Ensure that eyewash stations and safety showers are close to the workstation location.
Hand protection Material	Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
Skin and body protection	Protective suit.
Respiratory protection	Use respirator when performing operations involving potential exposure to vapour of the product. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used. Respirator with a vapour filter (EN 141).
Protective measures	Avoid contact with skin. Wear suitable protective equipment.

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10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions Reacts with the following substances:
Acids, Strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid Strong acids, Strong oxidizing agents.

10.6 Hazardous decomposition products

Hazardous decomposition products This product may release the following:
Nitrogen oxides (NO_x), Carbon monoxide,
Carbon dioxide (CO₂).

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product

Acute oral toxicity Acute toxicity estimate : 1.288 mg/kg
Method: Calculation method

Acute dermal toxicity Acute toxicity estimate : > 2.000 mg/kg
Method: Calculation method

Components

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-

Acute oral toxicity LD₅₀ (Rat, male and female):
2.885,3 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Acute dermal toxicity LD₅₀ (Rabbit, male and female):
2.979,7 mg/kg
Method: OECD Test Guideline 402
GLP: yes

3-aminomethyl-3,5,5-trimethylcyclohexylamin

Acute oral toxicity Acute toxicity estimate : 500 mg/kg
Method: Converted acute toxicity point estimate

Acute dermal toxicity Acute toxicity estimate : 1.100 mg/kg
Method: Converted acute toxicity point estimate

Amine, polyethylenpoly-, triethylenetetramine fraction

Acute oral toxicity LD₅₀ (Rat, male and female):
1.716 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Acute dermale toxicity LD₅₀ (Rabbit, male and female):
1.465 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Skin corrosion/irritation

Product

Remarks Acute dermal irritation/corrosion.

Components

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-

Species Rabbit
Method OECD Test Guideline 404
Result Corrosive

Amine, polyethylenpoly-, triethylenetetramine fraction

Species Rabbit
Method OECD Test Guideline 404
Result Corrosive
GLP yes

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Serious eye damage/eye irritation

Product

Remarks Severe eye irritation

Components

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-

Method OECD Test Guideline 405
Result Risk of serious damage to eyes.

Amine, polyethylenepoly-, triethylenetetramine fraction

Species Rabbit
Method OECD Test Guideline 405
Result Risk of serious damage to eyes
GLP yes

Respiratory or skin sensitisation

Product

Remarks No data available

Components

Amine, polyethylenepoly-, triethylenetetramine fraction

Test Type Buehler Test
Species Guinea pig
Method OECD Test Guideline 406
Result May cause sensitisation by skin contact.
GLP yes

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

STOT - single exposure

STOT - repeated exposure

Repeated dose toxicity

Product

Remarks No data available

Aspiration toxicity

Components

3-aminomethyl-3,5,5-trimethylcyclohexylamin

No aspiration toxicity classification

Further Information

Product

Remarks No data available

12. Ecological information

12.1 12.1 Toxicity

Product

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Components

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-

Toxicity to fish LC₅₀ (Oncorhynchus mykiss (rainbow trout)): > 15 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203
GLP: yes

toxicity to daphnia and other aquatic invertebrates EC₅₀ (Daphnia magna (Water flea)): 80 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae NOEC (Pseudokirchneriella subcapitata (green algae)): 0,32 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

3-aminomethyl-3,5,5-trimethylcyclohexylamin

Toxicity to fish LC₅₀ (Leuciscus idus (Golden orfe)): 110 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: Directive 67/548/EEC, Annex V, C.1.
GLP: yes

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Toxicity to daphnia and other aquatic invertebrates
EC₅₀ (Daphnia magna (Water flea)): 23 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae
ErC₅₀ (Scenedesmus capricornutum (fresh water algae)): > 50 mg/l
Exposure time: 72 h
Test Type: static test
Method: Directive 67/548/EEC, Annex V, C.3.
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
NOEC: 3 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Test Type: semi-static test
GLP: yes

Amine, polyethylenpoly-, triethylenetetramine fraction

Toxicity to daphnia and other aquatic invertebrates
EC₅₀ (Daphnia magna (Water flea)): 31,1 mg/l
Exposure time: 48 h
Test Type: static test
Method: Directive 67/548/EEC, Annex V, C.2. GLP: yes

Toxicity to algae
ErC₅₀ (Selenastrum capricornutum (green algae)): 20 mg/l
Exposure time: 72 h
Test Type: semi-static test
Method: OECD Test Guideline 201
GLP: yes

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Biodegradability
Test Type: aerobic
Result: Not readily biodegradable.
Method: Directive 67/548/EEC Annex V, C.4.A.
GLP: yes

12.3 Bioaccumulative potential

Product

Bioaccumulation
Remarks: No data available

Components

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-

Partition coefficient:
n- octanol/water
log Pow: 1,34 (25 °C)
Method: OECD Test Guideline 117
GLP: jyes

3-aminomethyl-3,5,5-trimethylcyclohexylamin

Partition coefficient:
n- octanol/water
log Pow: 0,99
Method: OECD Test Guideline 107
GLP: jyes

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product

Assessment
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product

Additional ecological information
Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

12.2 Persistence and degradability

Product

Biodegradability
Remarks: No data available

Components

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-

Biodegradability
Test Type: aerobic
Result: Not readily biodegradable.
Method: OECD Test Guideline 301B
GLP: yes

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13. Disposal considerations

13.1 Waste treatment methods

Product	In accordance with local and national regulations. Container hazardous when empty. Do not dispose of with domestic refuse. Do not mix waste streams during collection.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

14.1 UN-number

ADR/RID/ADN	UN 2735
IMDG	UN 2735
IATA	UN 2735

14.2 UN proper shipping name

ADR/RID/ADN	AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylene Diamine)
IMDG	AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylene Diamine)
IATA	AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylene Diamine)

14.3 Transport hazard class(es)

ADR/RID/ADN	8
IMDG	8
IATA	8

14.4 Packing group

ADR/RID/ADN	
Packing group	III
Classification Code	C7
Hazard Identification No.	80
Labels	8

Remarks

ADR: These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG

Packing group	III
Label	8
EmS Code	F-A, S-B

Remarks

IMDG: Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class all provisions of this Code relevant to any additional hazards continue to apply.

IMDG Code segregation group 18 - Alkalis

IATA

Packing group	856
(cargo aircraft)	
Packing instructions	852
(passenger aircraft)	
Packing group	III
Labels	8

Remarks

IATA: These substances when transported in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

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14.5 Environmental hazards

ADR/RID/ADN

Environmentally hazardous yes

IMDG

Marine pollutant yes

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied

15. Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E2	ENVIRONMENTAL HAZARDS	
Quantity 1	200 t	
Quantity 2	500 t	

15.2 Chemical safety assessment

Not applicable

16. Other information

Full text of H-Statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	Acute toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
STOT RE	Specific target organ toxicity - repeated exposure

Further information

Training advice Provide adequate information, instruction and training for operators.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.