

CatFlux Control Buffer

Print date 04.04.2023

Revision date 29.03.2023

Version 2.0 (en)

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

1.1 Product identifier

Trade name/designation CatFlux Control Buffer

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

Use of the substance/mixture

Buffer Solution

1.3 Details of the supplier of the safety data sheet

Supplier

Truion GmbH
Hüfferstraße 62
D-48149 Münster
Telephone 0251-83-54858
E-mail info@truion.de

E-mail (competent person):
info@truion.de

1.4 Emergency telephone number

Informationszentrale gegen Vergiftungen Bonn +49 (0)228 - 19 240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Remark

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

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

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards

Adverse human health effects and symptoms

The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 at levels of 0.1% or more have endocrine disrupting properties.

Adverse environmental effects

The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 at levels of 0.1% or more have endocrine disrupting properties.

Results of PBT and vPvB assessment

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

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SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Description

Aqueous solution

Hazardous ingredients

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
9048-46-8	232-936-2	Bovine Serum Albumin	0.1 < 1 %	Acute Tox. 4; H302	

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Provide fresh air.
 Consult physician in the event of continuous problems

Following skin contact

Wash with soap and water.
 In case of skin irritation, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Do NOT induce vomiting.
 Rinse mouth thoroughly with water.
 Let water be drunk in little sips (dilution effect).
 Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet
 alcohol resistant foam
 Dry extinguishing powder
 Carbon dioxide (CO₂)
 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated:

Carbon monoxide

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters

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

Additional information

Contaminated fire-fighting water must be collected separately; it shall not run into the sewage system, aquatic environment or into the soil.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No special measures required.

For emergency responders

No special measures required.

6.2 Environmental precautions

Do not allow to enter into surface water or drains uncontrolled.

6.3 Methods and material for containment and cleaning up

For containment

Take up with absorbent material (e.g. sand, general-purpose binder, kieselguhr).

After taking up the material dispose according to regulation.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Provide good ventilation.

Avoid contact with the eyes and skin.

Advices on general occupational hygiene

When using do not eat, drink, smoke.

Wash hands before breaks and after work.

Keep away from food and drink.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.
Keep container tightly closed.

Storage class

12 non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions

No special measures required.

7.3 Specific end use(s)

Recommendation

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Sufficient ventilation and exhaustion.

Personal protection equipment

Eye/face protection

Safety glasses recommended during transfer

Hand protection

Hand protection is not required.

Body protection:

Protective clothing

Respiratory protection

In the case of appropriate use and under normal conditions a respiratory protection is not necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

colourless

Odour

odourless

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Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	0 °C		
Boiling point or initial boiling point and boiling range	approx. 100 °C		
flammability			not applicable The product is not flammable.
Lower and upper explosion limit			not applicable
Flash point			not applicable
Auto-ignition temperature			when mixed with air Non-flammable
Decomposition temperature	not determined		
pH	7.2- 7.5 (20°C)		
Viscosity			not relevant
Solubility(ies)	Water solubility		miscible
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	Density approx. 1 g/cm ³ (20°C)		
Relative vapour density	not determined		
particle characteristics			not applicable

9.2 Other information

Other safety characteristics

	Value	Method	Source, Remark
Explosive properties			not explosive
Oxidising properties			not oxidizing
Other information			
none			

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions with proper storage and handling.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

None if used as intended.

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10.5 Incompatible materials

None if used as intended.

10.6 Hazardous decomposition products

No risk of production of decomposition products when appropriately handled and stored.

SECTION 11: Toxicological information

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

Acute toxicity

Animal data

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	not determined		
Acute dermal toxicity	not determined		
Acute inhalation toxicity	not determined		

Assessment/classification

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

Skin corrosion/irritation

Assessment/classification

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

Serious eye damage/irritation

Assessment/classification

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

Sensitisation to the respiratory tract

Assessment/classification

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

Skin sensitisation

Assessment/classification

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

Germ cell mutagenicity

not determined

Carcinogenicity

not determined

Reproductive toxicity

not determined

Overall Assessment on CMR properties

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

STOT-single exposure

STOT SE 1 and 2

Assessment/classification

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

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STOT SE 3

Irritation to respiratory tract

Assessment/classification

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

Narcotic effects

Assessment/classification

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

STOT-repeated exposure

Assessment/classification

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

Aspiration hazard

Assessment/classification

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

11.2 Information on other hazards

No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

Assessment/classification

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

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Disposal in accordance with local regulations.

Remark

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

not applicable

The product is not intended for carriage in bulk.

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

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SECTION 16: Other information

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Key literature references and sources for data

Raw material safety data sheets

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

The mixture is to be produced on the basis of the available hazard data of the ingredients, as defined in the classification criteria for mixtures for each hazard class in Annex I to Regulation (EC) No 1272/2008, classified.

Classification method:

Calculation

Additional information

National and local regulations concerning chemicals shall be observed.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the

appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Each user is responsible for the implementation of the national special regulations.

This SDS was prepared in accordance with the following Regulation (EC) N° 1907/2006 Regulation (EC) N° 1272/2008 Regulation.

Relevant H- and EUH-phrases (Number and full text)

H302 Harmful if swallowed.

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Trade name/designation CatFlux Test Buffer

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

Use of the substance/mixture

Buffer Solution

1.3 Details of the supplier of the safety data sheet

Supplier

Truion GmbH
Hüfferstraße 62
D-48149 Münster
Telephone 0251-83-54858
E-mail info@truion.de

E-mail (competent person):
info@truion.de

1.4 Emergency telephone number

Informationszentrale gegen Vergiftungen Bonn +49 (0)228 - 19 240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Remark

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

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

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards

Adverse human health effects and symptoms

The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 at levels of 0.1% or more have endocrine disrupting properties.

Adverse environmental effects

The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 at levels of 0.1% or more have endocrine disrupting properties.

Results of PBT and vPvB assessment

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

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SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Description

Aqueous solution

Hazardous ingredients

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
6381-92-6	205-358-3	disodium dihydrogen ethylenediaminetetraacetate	0.1 < 1 %	Acute Tox. 4; H332 STOT RE 2; H373	ATE(oral): 2800 mg/kg ATE(inhalation dust/mist): > 1000 mg/m ³
9048-46-8	232-936-2	Bovine Serum Albumin	0.1 < 1 %	Acute Tox. 4; H302	
REACH No.		Substance name			
01-2119486775-20		disodium dihydrogen ethylenediaminetetraacetate			

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Provide fresh air.
 Consult physician in the event of continuous problems

Following skin contact

Wash with soap and water.
 In case of skin irritation, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Do NOT induce vomiting.
 Rinse mouth thoroughly with water.
 Let water be drunk in little sips (dilution effect).
 Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet
alcohol resistant foam
Dry extinguishing powder
Carbon dioxide (CO₂)

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated:
Carbon monoxide
Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters

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

Additional information

Contaminated fire-fighting water must be collected separately; it shall not run into the sewage system, aquatic environment or into the soil.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No special measures required.

For emergency responders

No special measures required.

6.2 Environmental precautions

Do not allow to enter into surface water or drains uncontrolled.

6.3 Methods and material for containment and cleaning up

For containment

Take up with absorbent material (e.g. sand, general-purpose binder, kieselguhr).
After taking up the material dispose according to regulation.

6.4 Reference to other sections

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

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Provide good ventilation.
Avoid contact with the eyes and skin.

Advices on general occupational hygiene

When using do not eat, drink, smoke.
Wash hands before breaks and after work.
Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.
Keep container tightly closed.

Storage class

12 non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions

No special measures required.

7.3 Specific end use(s)

Recommendation

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL Consumer

CAS No.	Substance name	DNEL value	DNEL type	Remark
6381-92-6	disodium dihydrogen ethylenediaminetetraacetate	1.2 mg/m ³	acute inhalative (local)	
6381-92-6	disodium dihydrogen ethylenediaminetetraacetate	25 mg/kg bw/day	Long-term – oral, systemic effects	
6381-92-6	disodium dihydrogen ethylenediaminetetraacetate	0.6 mg/m ³	long-term inhalative (local)	

PNEC

CAS No.	Substance name	PNEC Value	PNEC type	Remark
6381-92-6	disodium dihydrogen ethylenediaminetetraacetate	2.2 mg/L	aquatic, freshwater	
6381-92-6	disodium dihydrogen ethylenediaminetetraacetate	0.22 mg/L	aquatic, marine water	
6381-92-6	disodium dihydrogen ethylenediaminetetraacetate	1.2 mg/L	aquatic, intermittent release	
6381-92-6	disodium dihydrogen ethylenediaminetetraacetate	0.72 mg/kg	soil	
6381-92-6	disodium dihydrogen ethylenediaminetetraacetate	43 mg/L	sewage treatment plant (STP)	

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8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Sufficient ventilation and exhaustion.

Personal protection equipment

Eye/face protection

Safety glasses recommended during transfer

Hand protection

Hand protection is not required.

Body protection:

Protective clothing

Respiratory protection

In the case of appropriate use and under normal conditions a respiratory protection is not necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

colourless

Odour

odourless

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	0 °C		
Boiling point or initial boiling point and boiling range	approx. 100 °C		
flammability			not applicable The product is not flammable.
Lower and upper explosion limit			not applicable
Flash point			not applicable
Auto-ignition temperature			when mixed with air Non-flammable
Decomposition temperature	not determined		
pH	7.2- 7.5 (20°C)		
Viscosity			not relevant
Solubility(ies)	Water solubility		miscible

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	Value	Method	Source, Remark
Partition coefficient n-octanol/water (log value)	-11.7		CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate
Vapour pressure	not determined		
Density and/or relative density	Density approx. 1 g/cm ³ (20°C)		
Relative vapour density	not determined		
particle characteristics			not applicable

9.2 Other information

Other safety characteristics

	Value	Method	Source, Remark
Explosive properties			not explosive
Oxidising properties			not oxidizing
Other information			
none			

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions with proper storage and handling.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

None if used as intended.

10.5 Incompatible materials

None if used as intended.

10.6 Hazardous decomposition products

No risk of production of decomposition products when appropriately handled and stored.

SECTION 11: Toxicological information

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

Acute toxicity

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Animal data

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate LD50: 2800 mg/kg Species Rat		
Acute dermal toxicity	not determined		
Acute inhalation toxicity	CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate Acute inhalation toxicity (dust/mist) LC50: > 1000 mg/m ³ Species Rat Exposure time 6 h	OECD 412	

Assessment/classification

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

Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate non-irritant Species Rabbit	OECD 404	CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate

Assessment/classification

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

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate non-irritant. Species Rabbit	OECD 405	CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate

Assessment/classification

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

Sensitisation to the respiratory tract

Assessment/classification

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

Skin sensitisation

Assessment/classification

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

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Germ cell mutagenicity

not determined

Carcinogenicity

not determined

Reproductive toxicity

not determined

Overall Assessment on CMR properties

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

STOT-single exposure

STOT SE 1 and 2

Assessment/classification

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

STOT SE 3

Irritation to respiratory tract

Assessment/classification

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

Narcotic effects

Assessment/classification

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

STOT-repeated exposure

Animal data

	Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Inhalative specific target organ toxicity (repeated exposure)	CAS No.6381-92-6 disodium dihydrogen ethylenediamin etetraacetate LOAEL(C): approx. 30 mg/m ³ Species Rat Exposure duration 90 d	OECD 412		Respiratory system	

Assessment/classification

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

Aspiration hazard

Assessment/classification

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

11.2 Information on other hazards

No data available

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate LC50: 41 mg/L Species Lepomis macrochirus (Bluegill) Test duration 96 h		
Chronic (long-term) fish toxicity	CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate NOEC ≥ 25.7 mg/L Species Danio rerio Test duration 35 d	OECD 210	
Acute (short-term) toxicity to crustacea	CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate EC50 625 mg/L Species Daphnia magna (Big water flea) Test duration 48 h		
Chronic (long-term) toxicity to aquatic invertebrate	CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate NOEC 25 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
Acute (short-term) toxicity to algae and cyanobacteria	CAS No.6381-92-6 disodium dihydrogen ethylenediaminetetraacetate EC50 > 100 mg/L Species Alge (Pseudokirchnerella subcapitata) Test duration 72 h		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

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Assessment/classification

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

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			The substance/this mixture does not contain any components, which have endocrine disrupting properties in quantities of 0.1% or more, in accordance with REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Disposal in accordance with local regulations.

Remark

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-

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	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
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14.5 Environmental hazards - - -

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

not applicable
 The product is not intended for carriage in bulk.

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Key literature references and sources for data

Raw material safety data sheets

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

The mixture is to be produced on the basis of the available hazard data of the ingredients, as defined in the classification criteria for mixtures for each hazard class in Annex I to Regulation (EC) No 1272/2008, classified.
 Classification method:
 Calculation

Additional information

National and local regulations concerning chemicals shall be observed.
 The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
 Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.
 Each user is responsible for the implementation of the national special regulations.
 This SDS was prepared in accordance with the following Regulation (EC) N° 1907/2006 Regulation (EC) N° 1272/2008 Regulation.

Relevant H- and EUH-phrases (Number and full text)

- H302 Harmful if swallowed.
- H332 Harmful if inhaled.
- H373 May cause damage to organs through prolonged or repeated exposure.