

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name
EDTA Tetrasodium

Product code
[AL00101]

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

Relevant identified uses
No information.

Uses advised against
No information.

1.3 Details of the supplier of the safety data sheet

Supplier
Farmadria DOO
Heroja Pinkija 44
26300 Vršac, Serbia
+381695565029
info@avenalab.com

1.4 Emergency Telephone Number

Emergency
112

Supplier
+381695565029

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)
Acute Tox. 4; H302 Harmful if swallowed.
Skin Corr. 1A; H314 Causes severe skin burns and eye damage.
Eye Dam. 1; H318 Causes serious eye damage.
Carc. 2; H351 Suspected of causing cancer.

2.2 Label elements

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



Signal word: DANGER

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H351 Suspected of causing cancer.

P202 Do not handle until all safety precautions have been read and understood.

P270 Do not eat, drink or smoke when using this product.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P405 Store locked up.

P501 Dispose of contents/container in accordance with national regulation.

Contains:

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

tetrasodium ethylenediaminetetraacetate
trisodium nitrilotriacetate

2.3 Other hazards

PBT/vPvB

No information.

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Additional information

No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
tetrasodium ethylenediaminetetraacetate	64-02-8 200-573-9 607-428-00-2	60-100	Acute Tox. 4; H302 Eye Dam. 1; H318	/	/
glycine, N-(carboxymethyl)-N-[2-[(carboxymethyl)amino]ethyl]-, trisodium salt	19019-43-3 - -	7-13	Eye Irrit. 2; H319	/	/
trisodium nitrilotriacetate	5064-31-3 225-768-6 607-620-00-6	3-7	Acute Tox. 4; H302 Eye Irrit. 2; H319 Carc. 2; H351	Carc. 2; H351; C ≥ 5%	/
sodium glycolate	2836-32-0 220-624-9 -	1-5	/	/	/

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing with water before removing or use gloves.

Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

Following skin contact

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, **Revision:** 03.04.2024, **Version:** 1.0

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Immediately obtain professional medical help!

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. After 5 minutes of rinsing, remove contact lenses, if present, and continue rinsing. Consult a physician immediately!

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

No information.

Following skin contact

Skin burns: Signs/symptoms may include localised redness, swelling, itching, dryness, blistering.

Following eye contact

Redness, pain, burning sensation, tearing, can cause permanent damage to the eyes.

Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. Harmful to health.

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

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

5.3 Advice for firefighters

Protective actions

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

Additional information

Contaminated firefighting water and fire residues 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

Protective equipment

No information.

Precautionary measures

Ensure adequate ventilation.

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

For emergency responders

Use personal protective equipment.

6.2 Environmental precautions

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, **Revision:** 03.04.2024, **Version:** 1.0

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up

For containment
No information.

For cleaning up
Prevent release into the sewer, water, basements or confined areas. Clean contaminated area with plenty of water.

Other information
No information.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire
Ensure adequate ventilation.

Measures to prevent aerosol and dust generation
Prevent dust formation.

Measures to protect the environment
Avoid release to the environment.

Other measures
No information.

Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8. Avoid exposure - obtain special instructions before using.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions
Keep in a cool, dry and well ventilated place. Keep away from food, drink and animal feeding stuffs.

Packaging materials
Store only in original container.

Requirements for storage rooms and vessels
Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

Storage temperature
No information.

Storage class
No information.

Further information on storage conditions
No information.

7.3 Specific end use(s)

Recommendations
No information.

Industrial sector specific solutions
No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values
No information.

Information on monitoring procedures

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product
 No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	value
tetrasodium ethylenediaminetetraacetate	Worker	inhalation	short term systemic effects	/	2.5 mg/m ³
tetrasodium ethylenediaminetetraacetate	Worker	inhalation	short term local effects	/	2.5 mg/m ³
tetrasodium ethylenediaminetetraacetate	Consumer	oral	long term systemic effects	/	25 mg/kg
tetrasodium ethylenediaminetetraacetate	Consumer	inhalation	short term systemic effects	/	1.5 mg/m ³
tetrasodium ethylenediaminetetraacetate	Consumer	inhalation	short term local effects	/	1.5 mg/m ³
trisodium nitrilotriacetate	Consumer	inhalation	long term local effects	/	1.75 mg/m ³
trisodium nitrilotriacetate	Consumer	inhalation	long term systemic effects	/	0.8 mg/m ³
trisodium nitrilotriacetate	Consumer	inhalation	long term systemic effects	/	0.5 mg/kg bw/day
trisodium nitrilotriacetate	Consumer	inhalation	short term local effects	/	1.75 mg/m ³
trisodium nitrilotriacetate	Consumer	inhalation	short term systemic effects	/	1.75 mg/m ³
trisodium nitrilotriacetate	Consumer	oral	long term systemic effects	/	0.3 mg/kg
trisodium nitrilotriacetate	Consumer	oral	short term systemic effects	/	0.9 mg/kg
trisodium nitrilotriacetate	Worker	inhalation	long term local effects	/	3.5 mg/m ³
trisodium nitrilotriacetate	Worker	inhalation	long term systemic effects	/	3.5 mg/m ³
trisodium nitrilotriacetate	Worker	inhalation	short term local effects	/	5.25 mg/m ³
trisodium nitrilotriacetate	Worker	inhalation	short term systemic effects	/	5.25 mg/m ³

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	value
tetrasodium ethylenediaminetetraacetate	fresh water	/	2.2 mg/L
tetrasodium ethylenediaminetetraacetate	marine water	/	0.22 mg/L
tetrasodium ethylenediaminetetraacetate	water, intermittent release	/	1.2 mg/L
tetrasodium ethylenediaminetetraacetate	soil	/	0.72 mg/L
tetrasodium ethylenediaminetetraacetate	water treatment plant	/	43 mg/L
trisodium nitrilotriacetate	air	/	0.8 mg/m ³
trisodium nitrilotriacetate	food chain	oral	0.2 mg/kg
trisodium nitrilotriacetate	soil	/	0.182 mg/kg
trisodium nitrilotriacetate	fresh water	/	0.93 mg/L
trisodium nitrilotriacetate	fresh water sediment	/	3.64 mg/kg
trisodium nitrilotriacetate	marine water	/	0.093 mg/L
trisodium nitrilotriacetate	marine water sediment	/	0.364 mg/kg
trisodium nitrilotriacetate	water, intermittent release	/	0.915 mg/L
trisodium nitrilotriacetate	water, intermittent release	/	0.8 mg/L
trisodium nitrilotriacetate	water treatment plant	/	540 mg/L

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe dust.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

Personal protective equipment

Eye and face protection

Tight fitting protective goggles (EN 166).

Hand protection

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, **Revision:** 03.04.2024, **Version:** 1.0

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

Appropriate materials

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345:2022). At high risk of skin exposure chemical suits (EN 13034:2005+A1:2009) and boots may be required (EN ISO 20345:2022).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Mask with dust filter (P2) or FFP2 (EN 149:2001+A1:2009). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Important health, safety and environmental information

Physical state	solid
Shape	powder
Colour	white
Odour	No information.
Odour threshold	No information.
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability (solid, gas)	No information.
Explosion limits (vol%)	No information.
Flash point	No information.
Auto-ignition temperature	No information.
Decomposition temperature	> 150 °C
pH	10.5 — 12.5 at 23 °C, conc. 10 g/l (DIN 19268)
Viscosity	No information.
Solubility (Water)	Soluble
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	6 hPa at 25 °C
Relative density	1.67 at 20 °C (Literature data.)

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

Bulk density	620 — 760 kg/m ³
Relative vapour/gas density	No information.
Particle characteristics	No information.

9.2 Other information

Information with regard to physical hazard classes

No information.

Other safety characteristics

No information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Minimum ignition energy: > 4 J (VDI 2263, sheet 1, 2.1.1) The product is capable of dust explosion

10.2 Chemical stability

No information.

10.3 Possibility of hazardous reactions

Dust explosion hazard

10.4 Conditions to avoid

Avoid humidity. Avoid dust formation Substances to avoid: amphoteric metals, light metals

10.5 Incompatible materials

Moisture.

10.6 Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated. Thermal decomposition: approx. 300 °C.

SECTION 11: TOXICOLOGICAL INFORMATION

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

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
tetrasodium ethylenediaminetetraacetate	oral	LD ₅₀	rat	/	> 2000 mg/kg	/	/
trisodium nitrilotriacetate	oral	LD ₅₀	rat	/	1000 - 2000 mg/kg	/	/

Additional information

Harmful if swallowed.

(b) Skin corrosion/irritation

For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

Name	Species	Time	result	Method	Remark
trisodium nitrilotriacetate	/	/	Test: BASF.	/	/

Additional information

Causes severe skin burns and eye damage.

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	result	Method	Remark
tetrasodium ethylenediami netetraacetate	/	/	/	/	/	Classification: Irritant
trisodium nitrilotriacetate	/	/	/	Rabbit: the OECD Gudeline 405: irritating to eyes.	/	/

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	result	Method	Remark
tetrasodium ethylenediami netetraacetate	dermal	guinea pig	/	Non sensitising.	OECD 406	Test was carried out on a similar product.
trisodium nitrilotriacetate	dermal	guinea pig	/	Non sensitising.	OECD 406	/

Additional information

The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

For components

Name	Type	Species	Time	result	Method	Remark
tetrasodium ethylenediami netetraacetate	/	/	/	Not mutagenic.	/	/

(f) Carcinogenicity

For components

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
------	----------------	------	---------	------	-------	--------	--------	--------

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
tetrasodium ethylenediaminetetraacetate	-	/	/	/	/	IARC: The International Agency for Research on Cancer didn't classify any of the ingredients in this product that are present in a concentration of $\geq 1\%$ as a substance that is a likely, a possible or a confirmed carcinogen for humans.	/	/
trisodium nitrilotriacetate	/	/	/	/	/	Limited evidence of a carcinogenic effect.	/	/

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
tetrasodium ethylenediaminetetraacetate	Teratogenicity	-	/	/	/	Only large quantities would cause defects.	/	/
trisodium nitrilotriacetate	Developmental toxicity	NOAEL	rat	90 days	mg/kg	Did not cause developmental toxicity.	OECD 416	/

Summary of evaluation of the CMR properties
 Suspected of causing cancer.

(h) STOT-single exposure

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

For components

Name	Exposure route	Type	Species	Time	Exposure organ	value	result	Method	Remark
trisodium nitrilotriacetate	oral	/	/	/	/	/	Irritating to mouth, throat and stomach	/	/
trisodium nitrilotriacetate	oral	/	/	/	/	/	It can trigger nausea / vomiting	/	/

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

For components

Name	Exposure route	Type	Species	Time	Exposure organ	value	result	Method	Remark
trisodium nitrilotriacetate	-	NOAEL	rat	/	/	/	0.231 mg/kg bw/day	/	/

Additional information

STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard

For components

Name	result	Method	Remark
tetrasodium ethylenediaminetetraacetate	ASPIRATION HAZARD	/	/

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Other information

No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute (short-term) toxicity

For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

Name	Type	value	Exposure time	Species	organism	Method	Remark
tetrasodium ethylenediaminetetraacetate	LC ₅₀	135 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	static system
tetrasodium ethylenediaminetetraacetate	EC ₅₀	> 100 mg/L	48 h	<i>Daphnia</i>	<i>Daphnia magna</i>	/	/
trisodium nitrilotriacetate	LC ₅₀	> 100 mg/L	96 h	fish	/	/	/
trisodium nitrilotriacetate	IC ₅₀	> 91.5 mg/L	72 h	algae	/	/	/

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
tetrasodium ethylenediaminetetraacetate	NOEC	≥ 36.9 mg/l	35 days	fish	<i>Brachydanio rerio</i>	OECD 210	/
tetrasodium ethylenediaminetetraacetate	NOEC	25 mg/l	21 days	Magna Daphnia	<i>Daphnia magna</i>	OECD 211	/
trisodium nitrilotriacetate	LC ₅₀	145000 µg/L	21 days	crustacea	<i>Daphnia magna</i>	/	/

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

For components

Name	Environment	Type / Method	Half Time	Evaluation	Method	Remark
tetrasodium ethylenediaminetetraacetate	water	hydrolysis	/	not expected	/	/

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
tetrasodium ethylenediaminetetraacetate	BOD5	50 mg O ₂ /g	/	/	/	/

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

Name	Type	Rate	Time	Evaluation	Method	Remark
tetrasodium ethylenediamine tetraacetate	COD	260 mg O ₂ /g	/	/	/	/
trisodium nitrilotriacetate	aerobic	%	/	readily biodegradable	OECD 301 E	/

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

Name	value	Temperature °C	pH	Concentration	Method
tetrasodium ethylenediamine tetraacetate	5.01	/	/	/	/
trisodium nitrilotriacetate	-31.2 - -2.62	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	organism	value	Duration	Evaluation	Method	Remark
tetrasodium ethylenediamine tetraacetate	BCF	/	1.8	/	/	/	/
trisodium nitrilotriacetate	BCF	Brachydanio rerio.	< 3	96 h	The substance does not significantly accumulate in organisms.	/	measured

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

For components

Name	Type	Criterion	value	Evaluation	Method	Remark
tetrasodium ethylenediamine tetraacetate	Soil	log KOC	1046	(KOC) Low potential	/	/
tetrasodium ethylenediamine tetraacetate	Soil	Henry constant (H)	Pa.m ³ / mol	/	/	/

12.5 Results of PBT and vPvB assessment

No evaluation.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Product is not classified as dangerous for environment.

For components

tetrasodium ethylenediaminetetraacetate

Does not contain any organic halogens. Do not release untreated into watercourses. Microorganisms/effects on activated sludge: 50 mg/L No bioaccumulation expected.

trisodium nitrilotriacetate

Do not allow to reach ground water, water bodies or sewage systems.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

No information.

Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.

Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.
14.2 UN proper shipping name			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.3 Transport hazard class(es)			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

ADR/RID	IMDG	IATA	ADN
14.4 Packing group			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
14.7 Maritime transport in bulk according to IMO instruments			
	Not given/not applicable		

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)
not applicable

Ingredients according to Regulation (EC) No 648/2004 on detergents
No information.

Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes

No information.

Key literature references and sources for data

No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

DMEL - Derived Minimal Effect Level

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EDTA Tetrasodium

Creation date: 03.04.2024, Revision: 03.04.2024, Version: 1.0

