

EDTA-ZN-15

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Label Name: Ethylenediaminetetraacetic acid, zinc disodium complex, approx. 100%

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2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a substance on conformance to EC directives

Chemical description: Ethylenediaminetetraacetic acid, zinc disodium complex, approx. 100%

Composition / information on ingredients

Number	% w/w	CAS Number	Chemical Name
1	min. 89	14025-21-1	Ethylenediaminetetraacetic acid, zinc disodium complex, approx. 100%

Number	EC-Number	Annex-1 Number	Symbol(s)	Risk-phrase(s)
1	237-865-0		None	None

Other information

Balance: water

3. HAZARDS IDENTIFICATION

Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous Preparation Directive.

4. FIRST AID MEASURES

Symptoms and effects: No typical symptoms and effects known.

First-Aid

General: In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation: Dust may be irritating to the respiratory tract and cause symptoms of bronchitis. Move to fresh air. If symptoms persist, seek medical advice.

Skin: Take off contaminated clothing immediately. Wash immediately with soap and water. Launder clothes before reuse.

Eye: Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.

Ingestion: Rinse mouth, give water to drink.

Advice to physician: No additional information available

5. FIRE-FIGHTING MEASURES

Extinguishing media: waterspray, foam, carbon dioxide, dry chemical powder

Unsuitable extinguishing: none known

Media

Special exposure hazards: In case of fire and/or explosion do not breathe fumes.

Hazardous decomposition/combustion products: Nitrous gases may be produced

Protective equipment: Use self-contained respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: For personal protection see Section 8.

Environmental precautions: Collect as much as possible in a clean container for (preferable) reuse or disposal.

Methods for cleaning up: Flush remainder with water (Absorb the remainder with e.g. Vermiculite). See also Section 13.

7. HANDLING AND STORAGE

Handling: Avoid dust generation.
Fire and explosion: No specific recommendations

Prevention

Storage requirements: No specific recommendations
Other information: Keep container tightly closed and dry. Product is hygroscopic.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: No specific recommendations
Exposure limits: No exposure limits have been established for this material

Personal protection

Respiratory: In case of dust formation use dust mask.
Hand: Wear suitable gloves
Eye: Wear eye/face protection
Skin and body: The usual precautions for handling chemicals should be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	powder (25°C)
<u>Colour:</u>	white
<u>Odour:</u>	odourless
<u>Boiling point/range:</u>	not applicable
<u>Melting point/range:</u>	Decomposes without melting
<u>Flash point:</u>	not relevant
<u>Flammability:</u>	not relevant
<u>Auto ignition temperature:</u>	>300°C
<u>Explosive properties:</u>	not relevant
<u>Explosion limits:</u>	not relevant
<u>Oxidizing properties:</u>	not applicable
<u>Vapour pressure:</u>	not relevant
<u>Density:</u>	not relevant
<u>Bulk density:</u>	approx. 625 kg/m ³
<u>Solubility in water:</u>	1000 g/L (200°C) 1200 g/L (800°C)
<u>Solubility in other solvents:</u>	not determined
<u>pH value:</u>	pH approx. 6.5 (1% solution)
<u>Partition coefficient n-octanol/water:</u>	not determined
<u>Relative vapour density (air = 1):</u>	not relevant
<u>Viscosity:</u>	not relevant

Other information

Decomposition temperature: >300°C

10. STABILITY AND REACTIVITY

<u>Stability:</u>	Stable under recommended storage and handling conditions (see section 7)
<u>Conditions to avoid:</u>	none known
<u>Materials to avoid:</u>	none known
<u>Hazardous decomposition products:</u>	Nitrous gases may be produced

11. TOXICOLOGICAL INFORMATION

No experimental toxicological data of the product as such available. From structurally related products the following may be expected;

Oral LD50 rat: 1750 mg/kg (Lit.)

12. ECOLOGICAL INFORMATION

No experimental ecological data are available on the preparation as such. From structurally related products the following may be expected;

Degradation Biotic: Not readily biodegradable

13. DISPOSAL CONSIDERATIONS

Product: According to local regulations.

Contaminated packaging: No specific recommendations.

14. TRANSPORT INFORMATION**Land transport**

<u>ADR class</u>	not restricted	ADR item number	not relevant
<u>RID class</u>	not restricted	RID item number	not relevant
<u>Hazard Identification No.</u>	None	Substance Identification No.	none
<u>TREM-Card</u>	not relevant	UN Number	not relevant
<u>Proper shipping name</u>	not relevant		
<u>National regulations</u>			
<u>Other information</u>			

Sea transport

<u>IMO/IMDG code</u>	not restricted	Class	not restricted
<u>Packing group</u>	none	UN number	none
<u>EMS</u>	not relevant	MFAG	not relevant
<u>Marine pollutant</u>	no		
<u>Proper shipping name</u>	not relevant		
<u>Other information</u>			

Air transport

<u>ICAO-TI / IATA-DGR</u>		UN number	none
<u>Class</u>	not restricted	Packing group	none
<u>Proper shipping name</u>	not relevant		
<u>Other information</u>	keep away from: aluminum + humidity / water		

15. REGULATORY INFORMATION

Product label name: Ethylenediaminetetraacetic acid, zinc disodium complex, approx. 100%

Labeling according to EC directives

<u>EC-number:</u>	not applicable
<u>Symbol(s):</u>	none
<u>R (isk) phrase(s):</u>	none
<u>S (afety) phrase(s):</u>	none

16. OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.