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## 1. SECTION 1: Identification of the product and of the company/undertaking

### 1.1. Product identifier

Commercial name: **Tradecorp Zn**

Chemical name: Zinc ethylenediaminetetraacetate, disodium salt

EC No: 237-865-0

CAS No: 14025-21-9

REACH Registration Number: **01-2119963942-27-0004**

### 1.2. Relevant identified uses of the product and uses advised against

Identified uses: Fertilizer (Agriculture).

Uses advised against: Not identified.

### 1.3. Details of the supplier of the product safety document

TRADE CORPORATION INTERNATIONAL, S.A.U.

c/ Alcalá, 498 - 2nd floor

28027 - Madrid (Spain)

Telephone: +34 91 327 32 00 Fax: +34 91 304 71 72

E-mail: sds@tradecorp.sapec.pt

### 1.4. Emergency telephone number

Tel.: +34 91 327 32 00 (9:00 - 17:00h, CET - Central European Time).

## 2. SECTION 2: Hazards identification

### 2.1. Classification of the product

**Classification in accordance with European Regulation (EC) No. 1272/2008:**

The product is not hazardous.

### 2.2. Label elements

The product is not classified as dangerous; therefore no specific label elements are required.

### 2.3. Other hazards

The product is not PBT / vPvB (See section 12).

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### 3. SECTION 3: Composition/information on ingredients

Product identifier: **Tradecorp Zn**

Chemical name	CAS No.	EINECS No.
Zinc ethylenediaminetetraacetate, disodium salt	14025-21-9	237-865-0

### 4. SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Inhalation:**

Keep patient at rest and maintain body temperature. Remove the victim to a ventilated area. Get medical attention. Give symptomatic and supportive treatment, if required.

**Skin contact:**

After contact with skin, remove contaminated clothing and wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

**Eye contact:**

Immediately wash affected eyes for at least 15 minutes, taking care to rinse under eyelids. Consult an eye specialist.

**Ingestion:**

Rinse mouth with water. Get medical attention and show the label or packaging. Do not induce vomiting. If vomiting occurs, keep victim's head below hips to prevent aspiration.

#### 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

All treatments should be based on observed signs and symptoms.

### 5. SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: chemical powder, CO<sub>2</sub>, water spray or alcohol resistant foam.

Unsuitable extinguishing media: Direct water spurt (water jet).

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**5.2. Special hazards arising from the product**

In case of combustion or thermal degradation the following products can be generated:

- Carbon dioxide
- Carbon monoxide
- Nitrogen oxides

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**5.3. Advice for fire-fighters**

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus and personal protective equipment.

**6. SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

- Isolate and delimit the affected area.
- Eliminate all sources of ignition.
- Use personal protective equipment and respiratory protection.
- Avoid contact with skin and eyes.
- Evacuate personnel to safe areas.
- Ensure adequate ventilation.

**6.2. Environmental precautions**

- Prevent the product reaches the sewer.
- Prevent soil contamination.

**6.3. Methods and material for containment and cleaning up**

- Sweep up spilled avoiding dust formation.
- For the product impossible to sweep up, apply water and collect with inert absorbent materials (eg soil, sand, diatomaceous earth or any non-flammable absorbent).
- Store unusable material collected in adequate containers for disposal. Label these containers and manage in accordance with local regulations.
- Do not mix with other waste materials.
- If there are spills or uncontrolled discharges on surface waters (or water for public use), immediately inform the local authorities.

**6.4. Reference to other sections**

See Sections 8 and 13.

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**7. SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

See also Section 8.  
 Use personal protective equipment (PPE). Avoid contact with skin, eyes and clothing.  
 Ensure adequate ventilation.  
 Do not handle the product near a source of ignition or near open flame.  
 Do not smoke, drink or eat while handling the product.  
 Wash hands with soap after handling and before eating, drinking, smoking or using the toilet.  
 Remove clothing immediately if the product is inside. Wash skin thoroughly with mild soap and dress clean clothes.

**7.2. Conditions for safe storage, including any incompatibilities**

Do not store near or with any of the incompatible materials listed in Section 10.  
 Do not store with food, beverages, feed and water supplies.  
 Do not store near flame, heat sources or near strong oxidizing agents.  
 Avoid extreme temperatures.  
 Store the product in the original container.  
 Keep tightly closed containers in a dry, cool and well ventilated sheltered from the sun.  
 Keep out of reach of unauthorized persons, children and animals.

**7.3. Specific end use(s)**

See section 1.2.

**8. SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**DNELs:**

**DNELs for workers:**

Long term toxicity - systemic effects: DNEL 30 mg/m<sup>3</sup> (inhalation)  
 Long term toxicity - local effects: DNEL 10mg/m<sup>3</sup> (inhalation)  
 Long term toxicity - systemic effects: DNEL 62500 mg/kg bw/day (dermal exposure)

**DNELs for general population:**

Long term toxicity - systemic effects: DNEL 7.5 mg/m<sup>3</sup> (inhalation)  
 Long term toxicity - local effects: DNEL 2.5 mg/m<sup>3</sup> (inhalation)  
 Long term toxicity - systemic effects: DNEL 31250 mg/kg bw/day (dermal exposure)  
 Long-term toxicity - systemic effects: DNEL 6.25 mg/kg bw/day (oral exposure)

**PNECs:**

PNEC aqua (freshwater): 2.97 mg/L  
 PNEC aqua (marine water): 0.3 mg/L  
 PNEC aqua (intermittent releases): 1.1 mg/L

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PNEC sediment: No exposure of sediment expected  
 PNEC soil: 0.21 mg/kg soil dw  
 PNEC sewage treatment plant: 66 mg/L

**8.2. Exposure controls**

**8.2.1 Proper technical controls**

See also Section 7.  
 Ensure adequate ventilation and/or exhaust ventilation.

**8.2.2 Individual protective measures**

**Respiratory protection:** Use breathing mask with appropriate filter.  
**Hand protection:** Use protection gloves.  
**Eye protection:** Wear safety glasses with side-shields (e.g. EN 166) or facial protection screen.  
**Skin and body protection:** Work clothes, apron and protective boots are recommended.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Have eye wash bottle with distilled water. Remove and wash contaminated clothing before reuse. Wash hands before breaks and immediately after handling.

**8.2.3 Environmental exposure controls**

Do not flush into surface waters or sanitary drain systems.

**9. SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

<b>Appearance:</b>	Microgranule
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not applicable
<b>pH:</b>	6.5
<b>Melting point:</b>	> 240° C
<b>Boiling point:</b>	The product decomposes before boiling
<b>Evaporation rate:</b>	No data available
<b>Flash point:</b>	Not applicable
<b>Decomposition temperature:</b>	263 °C
<b>Auto-ignition temperature:</b>	315 °C

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<b>Flammability:</b>	Not flammable
<b>Explosive properties:</b>	Non explosive
<b>Oxidizing properties:</b>	The product has no oxidising properties
<b>Vapour pressure:</b>	The product does not melt under 240 °C and starts to decompose at 263°C, so the vapour pressure will be low
<b>Vapour density:</b>	No data available
<b>Viscosity:</b>	Not applicable
<b>Density:</b>	0.70 g/cm <sup>3</sup>
<b>Solubility:</b>	700 g/L at 25 °C
<b>Partition coefficient n-octanol/water (log Pow):</b>	- 10.32

## 9.2. Other information

No data available.

## 10. SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is not reactive under normal conditions.

### 10.2. Chemical stability

The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3. Possibility of hazardous reactions

No hazard reactions are expected under normal processing.

### 10.4. Conditions to avoid

Avoid extreme temperatures.

### 10.5. Incompatible materials

No data available.

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## 10.6. Hazardous decomposition products

See section 5.2.

## 11. SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

- (a) **Acute toxicity:** LD50 (oral, rats) > 2000 mg/kg bw
- (b) **Skin corrosion/irritation:** No adverse effect observed (not irritating).
- (c) **Eye damage/irritation:** No adverse effect observed (not irritating).
- (d) **Respiratory or skin sensitization:** No data available.
- (e) **CMR – Carcinogenicity, Mutagenicity and Reproductive toxicity:** The product is neither carcinogenic, nor mutagenic nor toxic for reproduction.
- (f) **STOT – single and repeated exposure:** Non-toxic according to data obtained on similar substances.
- (g) **Aspiration hazard:** No data available.

## 12. SECTION 12: Ecological information

### 12.1. Toxicity

- (a) **Aquatic toxicity:** Non-toxic for the aquatic environment, following the data below:
  - LC50 for freshwater fish: 685 mg/L
  - Long-term fish toxicity (*Danio rerio*): NOEC  $\geq$  37.5 mg/L
  - EC50/LC50 for freshwater invertebrates: 110 mg/L
  - NOEC for freshwater invertebrates: 29.7 mg/L
  - EC50/LC50 for freshwater algae: 667 mg/L
  - NOEC for freshwater algae: 44 mg/L
- (b) **Sediment toxicity:** No data available.
- (c) **Terrestrial toxicity:** Non-toxic for the terrestrial environment, following the data below:
  - Short-term EC50/LC50 for soil macro-organisms: 213 mg/kg soil dw
  - NOEC for terrestrial plants: 100 mg/kg soil dw

### 12.2. Persistence and degradability

The product is inherently biodegradable.

### 12.3. Bioaccumulative potential

Based on the estimated logKow (< 3) and available BCF study in fish, it can be concluded there is low potential for bioaccumulation of the product.

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#### 12.4. Mobility in soil

No adsorbing potential for this product is observed.

#### 12.5. Results of PBT and vPvB assessment

The product is not PBT / vPvB.

#### 12.6. Other adverse effects

No data available.

### 13. SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Dispose of waste materials at a licensed site.

Rinse with water the used containers three times and empty the water into the application tank.

Do not burn containers, even after use. Disable the used packaging and dispose of content and/or empty containers in accordance with local, regional, national, and/or international regulations.

### 14. SECTION 14: Transport information

#### ADR/RID:

Not classified as hazardous for transport within the transport regulations.

#### IMDG:

Not classified as hazardous for transport within the transport regulations.

#### ICAO/IATA:

Not classified as hazardous for transport within the transport regulations.


### 15. SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the product

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

- European Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).



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- Commission Regulation (EU) No. 453/2010, amending Regulation (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

### 15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for this product.

## 16. SECTION 16: Other information

### Revision of this document:

Revision number: 3.0

Supersedes: 2.0

Added, deleted or revised information: Update of sections 2 and 15 according to Annex II of regulation (EU) 453/2010.

### Legend to abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

DL50: Lethal dose 50%

DNEL: Derived No Effect Level

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.2

IMDG: International Maritime Dangerous Goods.

LC50: Lethal concentration 50%

NOEC: No observed effect concentration

PBT: Persistent, Bioaccumulative and Toxic.

PNEC: Predicted No Effect Concentration

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STOT: Specific Target Organ Toxicity.

vPvB: Very Persistent and very Bioaccumulative.

### Key literature references and sources for data:

ESIS: European Chemical Substances Information System.

ECHA: European Chemicals Agency <http://echa.europa.eu/>

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Classification and Labelling Inventory Database <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Institute for Health and Consumer Protection (European Commission): <http://ihcp.jrc.ec.europa.eu/>

Instituto Nacional de Seguridad e Higiene en el trabajo <http://www.insht.es>

Riskquim <http://riskquim.insht.es:86/riskquim/clp/>

Chemical Safety Report - TRADE CORPORATION INTERNATIONAL, S.A.U.

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