

**DISSOLVINE E-ZN-15** Not classified as hazardous according to criteria of NOHSC

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

**Product label name** Ethylenediaminetetraacetic acid, zinc disodium complex, approx. 100%  
**Supplier** Akzo Nobel PTY LTD.  
ABN 59 000 119 424  
6 Grand Avenue  
CAMELLIA, NSW. 2142  
Australia  
Tel.: +61 2 9638 4555  
**Emergency telephone** 1800 807 001

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Information on hazardous ingredients

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

**Composition / information on ingredients**

Number	% w/w	CAS-number	Chemical name	
1	min.. 89	14025-21-9	Ethylenediaminetetraacetic acid, zinc-disodium complex	
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 according to criteria of NOHSC

Non-hazardous according to Worksafe Australia criteria

**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 media** none known.

**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 prevention** No specific recommendations

**Storage requirements** No specific recommendations

**Other information** Keep container tightly closed and dry. Product is hygroscopic.

## DISSOLVINE E-ZN-15

### 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	For permanent (>480 minutes), full contact use, 100% nitrile gloves conforming to EN 374, e.g. KCL Dermatrill 740 are recommended. If used under conditions other than given above it is recommended that a supplier of CE approved gloves is contacted. These recommendations are only applicable to the chemical as supplied by Akzo Nobel; if mixed with or dissolved in other substances please contact a supplier of CE approved gloves (e.g. KCL International +49 66 59870, fax +49 6659 87155).
Eye	Wear eye/face protection
Skin and body	The usual precautions for handling chemicals should be observed

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	powder ( 25 °C )
Colour	white
Odour	odourless
Boiling point/range	not relevant
Melting point/range	Decomposes without melting
Flash point	not relevant
Flammability	not relevant
Autoignition temperature	>300 °C
Explosive properties	not relevant
Explosion limits	not relevant
Oxidizing properties	not applicable
Vapour pressure	not relevant
Density	not relevant
Bulk density	approx. 625 kg/m <sup>3</sup>
Solubility in water	1000 g/l ( 20 °C ) 1200 g/l ( 80 °C )
Solubility in other solvents	not determined
pH value	pH approx. 6.5 (1 % solution )
Partition coefficient n-octanol/water	not determined
Relative vapour density (air=1)	not relevant
Viscosity	not relevant
Other information	decomposition temperature: >300 °C.

### 10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage and handling conditions (see section 7)
Conditions to avoid	none known
Materials to avoid	none known
Hazardous decomposition products	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;

Acute toxicity	
Oral LD50	rat: >2000 mg/kg

## DISSOLVINE E-ZN-15

### 12. ECOLOGICAL INFORMATION

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

**Fate**  
**Degradation Biotic** Not readily biodegradable

### 13. DISPOSAL CONSIDERATIONS

**Product** According to local regulations.  
**Contaminated packaging** No specific recommendations.

### 14. TRANSPORT INFORMATION

*Land transport (ADR/ RID)*

<b>ADR class</b>	not restricted	<b>ADR item number</b>	not relevant
<b>RID class</b>	not restricted	<b>RID item number</b>	not relevant
<b>Hazard Identification No.</b>	none	<b>Substance Identification No.</b>	none
<b>TREM-Card</b>	not relevant	<b>UN number</b>	not relevant
<b>Proper shipping name</b>	not relevant	<b>Hazchem</b>	none allocated

*Sea transport (IMDG-code/ IMO)*

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

*Air transport (ICAO-TI/ IATA-DGR)*

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

### 15. REGULATORY INFORMATION

<b>Chemical description</b>	Ethylenediaminetetraacetic acid, zinc disodium complex, approx. 100%
<b>EC-number</b>	not applicable
<b>Symbol(s)</b>	none
<b>R(isk) phrase(s)</b>	none
<b>S(afety) phrase(s)</b>	none
<b>Wassergefährdungsklasse (WGK)</b>	2 ( Internal assessment )

### 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.

#### History

<b>Date of printing</b>	05-24-2005
<b>Revision</b>	0.11
<b>Composed by</b>	Dr. A.T.M. van der Steen Drs. M. Heus
<b>Changes were made in section</b>	1, 8