

REXOLIN ABC 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 (EDTA) complex of Co, Cu, Fe, Mn and Zn plus unchelated B, Mg and Mo

Supplier Akzo Nobel PTY LTD.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on hazardous ingredients

Chemical description Ethylenediaminetetraacetic acid (EDTA) complex of Co, Cu, Fe, Mn and Zn plus unchelated B, Mg and Mo

Composition / information on ingredients

Number	% w/w	CAS-number	Chemical name
1	9	14025-15-1	Ethylenediaminetetraacetic acid, copper-disodium complex
2	0.4	15137-09-4	Ethylenediaminetetraacetic acid, cobalt-disodium complex

Number	EC-number	Annex-1 number	Symbol(s)	Risk-phrase(s)
1	237-864-5		Xn	R22
2	239-198-0		Xn	R22 R43

Other information Balance: non-hazardous ingredients.

Typical metal content (As water-soluble complex):

- Cu: 15 g/kg
- Fe: 40 g/kg
- Mg: 54 g/kg
- Mn: 40 g/kg
- Zn: 15 g/kg
- B: 5 g/kg
- Mo: 1 g/kg
- Co: 0.4 g/kg

3. HAZARDS IDENTIFICATION

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

Wash off with soap and water.

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. Seek medical advice after significant exposure.

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.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid dust generation. For personal protection see Section 8
Environmental precautions	Do not flush into public water courses. Do not empty into drains.
Methods for cleaning up	Collect as much as possible in a clean container for (preferable) reuse or disposal. 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	Protect product from moisture and wet air. Keep container tightly closed and dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	Provide adequate ventilation.
Exposure limits	No exposure limits have been established for this material The following exposure limit(s) apply for:
Name	
respirable dust	In this country no exposure limit has been established
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 Dermatril 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	granules (25 °C)
Colour	red brown
Odour	odourless
Boiling point/range	not applicable
Melting point/range	Decomposes prior to melting
Flash point	not applicable
Flammability	No data available
Autoignition temperature	180-200 °C
Explosive properties	no
Explosion limits	not applicable
Oxidizing properties	No data available
Vapour pressure	not applicable
Density	not relevant
Bulk density	650-750 kg/m ³
Solubility in water	approx. 400 g/l
Solubility in other solvents	not determined
pH value	pH 6 - 7
Partition coefficient n-octanol/water	From structurally related products the following may be expected: Log Pow < 0
Relative vapour density (air=1)	not relevant
Viscosity	not relevant

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10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage and handling conditions (see section 7)
Conditions to avoid	humidity.
Materials to avoid	none known
Hazardous decomposition products	Emits toxic fumes under fire conditions (nitrous gases (NOx))

11. TOXICOLOGICAL INFORMATION

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

Name	mixture
Acute toxicity	
Oral LD50	rat: >2000 mg/kg

12. ECOLOGICAL INFORMATION

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

Name	mixture
Fate	
Degradation Biotic	Not readily biodegradable
Bioaccumulation	Log Pow <0

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Land transport (ADR/ RID)

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

Sea transport (IMDG-code/ IMO)

IMO/IMDG code	not restricted	Class	not restricted
Packing group	none	UN number	none
EMS	not relevant	MFAG	not relevant
Marine pollutant	no	Poison Schedule	none applicable
Proper shipping name	not relevant		

Air transport (ICAO-TI/ IATA-DGR)

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

15. REGULATORY INFORMATION

Chemical description	Ethylenediaminetetraacetic acid (EDTA) complex of Co, Cu, Fe, Mn and Zn plus unchelated B, Mg and Mo
EC-number	not applicable

SAFETY DATA SHEET
According to EC-directive 93/112/EC

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Symbol(s)	none
R(isk) phrase(s)	none
S(afety) phrase(s)	none
Wassergefährdungsklasse (WGK)	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

Date of printing	04-02-2002
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Composed by	Dr. A.T.M. van der Steen Drs. M. Heus

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Changes made by	Stuart Smith
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