

DISSOLVINE E-MN-13 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, manganese 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, manganese disodium complex, approx. 100%

Composition / information on ingredients

Number	% w/w	CAS-number	Chemical name	
1	min.. 89	15375-84-5	Ethylenediaminetetraacetic acid, manganese-disodium complex	
Number	EC-number	Annex-1 number	Symbol(s)	Risk-phrase(s)
1	239-407-5		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.

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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	light beige
Odour	odourless
Boiling point/range	not relevant
Melting point/range	Decomposes without melting
Flash point	not relevant
Flammability	not relevant
Autoignition temperature	>260 °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 ³
Solubility in water	800 g/l (20 °C) 1600 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: >260 °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

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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)

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

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		
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, manganese disodium complex, approx. 100%
EC-number	not applicable
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	05-23-2005
Revision	0.11
Composed by	Dr. A.T.M. van der Steen Drs. M. Heus
Changes were made in section	1, 8