

DISSOLVINE E-CA-10 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, calcium disodium complex
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, calcium disodium complex

Composition / information on ingredients

| Number | % w/w | CAS-number | Chemical name | |
|--------|-----------|----------------|---|----------------|
| 1 | min.. 98 | 62-33-9 | Ethylenediaminetetraacetic acid, calcium-disodium complex | |
| Number | EC-number | Annex-1 number | Symbol(s) | Risk-phrase(s) |
| 1 | 200-529-9 | | 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

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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 | (free flowing) 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 | >348 °C |
| Explosive properties | not relevant |
| Explosion limits | not relevant |
| Oxidizing properties | not applicable |
| Vapour pressure | not relevant |
| Density | not relevant |
| Bulk density | approx. 690 kg/m ³ |
| Solubility in water | 800 g/l (20 °C) >1500 g/l (80 °C) |
| Solubility in other solvents | not determined |
| pH value | pH approx. 7 (1 % solution) |
| Partition coefficient n-octanol/water | not determined |
| Relative vapour density (air=1) | not relevant |
| Viscosity | not relevant |
| Other information | decomposition temperature: 348 °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

| | |
|----------------|---|
| Name | Ethylenediaminetetraacetic acid, calcium-disodium complex |
| Acute toxicity | |
| Oral LD50 | rat: >5000 mg/kg (Lit.) |

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12. ECOLOGICAL INFORMATION

| | |
|--------------------|---|
| Name | Ethylenediaminetetraacetic acid, calcium-disodium complex |
| 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, calcium disodium complex |
| 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 | 05-24-2005 |
| Revision | 0.11 |
| Composed by | Dr. A.T.M. van der Steen Drs. M. Heus |
| Changes were made in section | 1, 8 |