

**REXOLIN BSP** 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, salts of Cu, Fe, Mn and Zn  
**Supplier** Akzo Nobel PTY LTD  
ABN 59 000 119 424  
6 Grand Avenue  
CAMELLIA NSW 2142  
AUSTRALIA  
**Emergency telephone** 1800 807 001  
**Technical Telephone** +61 2 9638 4555

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

This product is to be considered as a preparation in conformance to EC directives  
Information on hazardous ingredients

**Chemical description** Ethylenediaminetetraacetic acid, salts of Cu, Fe, Mn and Zn

**Composition / information on ingredients**

| Number | % w/w     | CAS-number     | Chemical name                                            |                |
|--------|-----------|----------------|----------------------------------------------------------|----------------|
| 1      | 4.7       | 14025-15-1     | Ethylenediaminetetraacetic acid, copper-disodium complex |                |
| Number | EC-number | Annex-1 number | Symbol(s)                                                | Risk-phrase(s) |
| 1      | 237-864-5 |                | Xn                                                       | R22            |

**Other information** Balance: non-hazardous ingredients.

Typical metal content ( As water-soluble complex ):  
- Cu: 3 g/kg  
- Fe: 75 g/kg  
- Mn: 37 g/kg  
- Zn: 6 g/kg

**3. HAZARDS IDENTIFICATION**

Not classified as hazardous according to the Criteria of NOHSC

**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.

**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.

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### 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<br>The following exposure limit(s) apply for:                                                                                                                                                                                                                                                                                                                                                                                                      |
| Name                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| respirable dust      | OES-TWA 5.0 mg/m <sup>3</sup> (Respirable dust)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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 Dermatriil 740 are recommended.<br>If used under conditions other than given above it is recommended that a supplier of CE approved gloves is contacted.<br>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                             | 450-850 kg/m <sup>3</sup>                                                        |
| Solubility in water                      | > 300 g/l                                                                        |
| Solubility in other solvents             | not determined                                                                   |
| pH value                                 | pH 5 - 8                                                                         |
| Partition coefficient<br>n-octanol/water | From structurally related products the following may be expected:<br>Log Pow < 0 |
| Relative vapour density (air=1)          | not relevant                                                                     |
| Viscosity                                | not relevant                                                                     |

### 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) )          |

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### 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)*

|                                  |                |                                     |              |
|----------------------------------|----------------|-------------------------------------|--------------|
| <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>                      | not relevant |

*Sea transport (IMDG-code/ IMO)*

|                             |                |                        |                |
|-----------------------------|----------------|------------------------|----------------|
| <b>IMO/IMDG code</b>        | not restricted | <b>Poison Schedule</b> | not relevant   |
| <b>Packing group</b>        | none           | <b>Class</b>           | not restricted |
| <b>EMS</b>                  | not relevant   | <b>UN number</b>       | none           |
| <b>Marine pollutant</b>     | no             | <b>MFAG</b>            | not relevant   |
| <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

**Chemical description** Ethylenediaminetetraacetic acid, salts of Cu, Fe, Mn and Zn

Labelling according to EC directives

**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/  
pdf file generated** 15-10-2001

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

## **REXOLIN BSP**

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**Revision** 0.00  
**Composed by** Dr. A.T.M. van der Steen  
Drs. M. Heus

**Use** Micro Nutrients

**Manufacturer Issue Date:** 15-Nov-04  
**Australian Issue Date:** 08-Nov-01  
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