



## PRICE CHEMICALS PTY LIMITED

ABN 92 002 585 293

10 Pile Road  
Somersby NSW 2250  
Phone: (02) 4340 0088  
Fax: (02) 4340 0322  
E-mail: enquiries@pricechemicals.com.au

# MATERIAL SAFETY DATA SHEET

## **1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product name :** Ethylenediaminetetraacetic acid disodium salt concentrate

**Company :** Price Chemicals Pty Ltd.  
10 Pile Rd  
SOMERSBY NSW 2154  
AUSTRALIA

Telephone : +61 2 4340 0088  
Fax : +61 2 4340 0322  
Emergency Phone # : 0418 768 001

## **2. HAZARDS IDENTIFICATION**

NONDANGEROUS GOODS.

This substance is not classified as dangerous according to Directive 67/548/EEC.

### **Risk Phrases**

- R22 Harmful if swallowed.
- R36/37 Irritating to eyes and respiratory system.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### **Safety Phrases**

- S2 Keep out of reach of children.
- S8 Keep container dry.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

S41 In case of fire and/or explosion, do not breathe fumes.

S60 This material and its container must be disposed of as hazardous waste.

Avoid release to the environment. Refer to special instructions/Material Safety  
S61 Data Sheets.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms :** EDTA

(Ethylenedinitrilo)tetraacetic acid

Ethylenediaminetetraacetic acid

**Formula :** C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub>

**Molecular Weight :** 336.21 g/mol

**CAS-No.** 139-33-3

**EC-No.** 205-358-3

**Disodium dihydrogen ethylenediaminetetraacetate**

### **4. FIRST AID MEASURES**

**General advice** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact** Flush eyes with water as a precaution.

**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Fluka - 38057 [www.sigma-aldrich.com](http://www.sigma-aldrich.com)

### **5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters** Wear self contained breathing apparatus for fire fighting if necessary.

### **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust.

**Environmental precautions** Do not let product enter drains.

**Methods for cleaning up** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## **7. HANDLING AND STORAGE**

**Handling** Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

We are not aware of any national exposure limit.

### **Personal protective equipment**

**Respiratory protection** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Eye protection** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** Form solid

### **Safety data**

pH	4.0 - 5 at 50 g/l at 20 °C
Melting point	252 °C
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available

Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

## 10. STABILITY AND REACTIVITY

**Storage stability** Stable under recommended storage conditions.

**Materials to avoid** Strong oxidizing agents

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sodium oxides

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sodium oxides

Other decomposition products - no data available

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** LD50 Oral - rat - > 2,000 mg/kg

**Irritation and corrosion** no data available

**Sensitisation** no data available

### Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Genotoxicity in vitro - Ames test - negative

Histidine reversion (Ames)

Genotoxicity in vivo - mouse - Oral

Micronucleus test

Developmental Toxicity - rat - Oral

Specific Developmental Abnormalities: Central nervous system. Specific

Developmental Abnormalities: Eye, ear. Specific Developmental

Abnormalities: Craniofacial (including nose and tongue).

Developmental Toxicity - rat - Oral

Specific Developmental Abnormalities: Musculoskeletal system.

Reproductive toxicity - rat - Oral

Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth).

Effects on Embryo or Fetus:

Fetotoxicity (except death, e.g., stunted fetus). Effects on Embryo or Fetus:

Fetal death.

### Potential Health Effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Ingestion** May be harmful if swallowed.  
**Additional Information**  
RTECS: AH4375000

#### **12. ECOLOGICAL INFORMATION**

**Elimination information (persistence and degradability)** no data available

**Ecotoxicity effects** no data available

**Further information on ecology** no data available

#### **13. DISPOSAL CONSIDERATIONS**

**Product** Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging** Dispose of as unused product.

#### **14. TRANSPORT INFORMATION**

**ADR/RID** Not dangerous goods

**IMDG** Not dangerous goods

**IATA** Not dangerous goods

#### **15. REGULATORY INFORMATION**

##### **Labelling according to EC Directives**

Further information:

The product does not need to be labelled in accordance with EC directives or respective national laws.

#### **16. OTHER INFORMATION**

##### **Further information**

Copyright 2011 Price Chemicals Pty Ltd License granted to make unlimited paper copies for internal use only.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Price Chemicals Pty Ltd., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.