



# MATERIAL SAFETY DATA SHEET

## PRODUCT: IRON CHELATE - EDTA

**Date of Issue:** 1 DEC 2016

**Valid until:** 1 DEC 2021

**GHS Format**

### 1. IDENTIFICATION OF MATERIAL & SUPPLIER

**Product (material) Name:** Manutec Iron Chelate - EDTA

**Other names:** None

**Manufacturer's code:** MTO0522/MTO0522B

**Recommended use:** as a trace element fertiliser to correct Iron deficiency in plants

**Manufacturer/Supplier Information:**

**Name:** MANUTEC PTY LTD

**Address:** 30 Jonal drive, Cavan, South Australia 5094

**Telephone No:**+61-8-8260 2277     **Fax:**+61-8-8260 2399

**Email:** manutec@manutec.com.au

**Emergency contact only:** Poisons Information Centre (Australia) 131126

### 3. HAZARDS IDENTIFICATION

**Poisons Schedule (Aust)**     Not scheduled

**Hazard Classification:**

NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Hazard Categories:**     None specified

**Pictograms:**     None specified

**Signal Word:**     None specified

**Hazard Statements:**     None specified

**Precautionary Statements:** None specified

**National Transport Commission (Australia)**

**Dangerous Goods Classification**

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

#### 4. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Iron (Fe) as EDTA COMPLEX		13.2%

#### 4. FIRST AID MEASURES

**Skin contact:**

Wash off immediately with plenty of water and soap. Remove clothing if contaminated. Wash contaminated clothing separately.

**Eye contact:**

By separating eyelids, flush eyes with water for 15 minutes. If there is any irritation obtain medical attention immediately.

**Inhalation:**

If inhaled, move to an area of fresh air.

**Ingestion:**

Do not make patient vomit.

If conscious rinse out the mouth with water and drink water.

Obtain medical attention immediately.

#### 5. FIRE FIGHTING MEASURES

**Extinguishing media:**

Water spray, chemical powder,

Extinguishing media Direct water spurt which must not be used for safety reasons:

**Special protective equipment for firefighters:**

Wear protective clothing with autonomous respiration equipment

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Avoid contact with skin and eyes. Use rubber or plastic gloves.

**Environmental precautions:**

Avoid contact with water ways and do not pour on sewer system

**Methods for cleaning up:**

Remove the product and move to adequate waste areas.

Rest can be eliminated with water

#### 7. HANDLING AND STORAGE

**Handling precautions:**

Handle the product according to safe and hygienic practices.

Avoid contact with the product. Do not permit dust accumulation in environment during handling, keep ventilated and use masks

**Storage conditions:**

Avoid extreme temperatures.

Keep product in original packing.

Keep product in dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering measures:

Proper Ventillation in place, particualry while handling larger volumes in factory settings and use appropriate protective cloth

### Control of exposition limit:

Respiratory protection: Keep ventilated and use mask during handling

Hand protection: Rubber or plastic gloves

Eye protection: Safety glasses as appropriate while handling material

Skin protection: Use adequate clothing or overalls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Melting point/range	Not applicable
Aspect	Soluble Powder
Boiling point	Not applicable
Colour	Yellowish Green
Oxidizing properties	Not available
Density	0.76-0.81 Kg/L
Flammability	Not applicable
Flash point	Not applicable
Solubility	90 g/l (25° C)
Ignition	Not applicable
Vapour pressure	Not applicable
pH	4.4-4.9 (1% solution)
Partition Coefficient	Not available
Viscosity	Not applicable
Explosion properties	Not applicable

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at ambient temperatures and normal handling conditions.

**Conditions to avoid:** Extreme temperatures

**Materials to avoid:** Steel carbon contact may produce Hydrogen

**Hazardous decomposition products:**

Combustion or thermal degradation may produce nitrogen

## 11. TOXICOLOGICAL INFORMATION

The product contains no substances classified as hazardous to health.

LD 50 (oral) in rats:	5000 mg/kg
Skin irritation, test in rabbits :	Not available
Eye irritation, test in rabbits:	Not available
Skin sensibility (test in rabbits):	Not available
LD50 fish:	Not available
EC50 daphnia:	Not available
IC50 bacteria:	Not available
Biodegradability:	Biodegradable

## 13. DISPOSABLE CONSIDERATIONS



Do not pour in water sewer system or water currents. Dispose the product in authorized manner

## 12. ECOLOGICAL INFORMATION

General Information Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

Proper Shipping Name	Iron Chelate EDTA Complex
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

### National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

### Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

## 15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	Not scheduled

## 16. OTHER INFORMATION

The MSDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

**STATEMENT OF DISCLAIM:** This Material Safety Data Sheet has been developed according to WHS Code of Practice Preparation of Safety Data Sheets for Hazardous Chemicals Guidelines and written in accordance with GHS format. All information is as accurate and up-to-date as possible. Since Manutec Pty Ltd cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Manutec Pty Ltd will not be responsible for damages of any nature resulting from use of or reliance upon this information.

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