

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Dissolvine DTPA 6%**  
 Item Code:  
 Product Use: Fertiliser  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd  
 Address: 10 Firth Street  
 Drury, 2113

Telephone: +64 9 294 8453  
 Fax Number: +64 9 294 7272

**Emergency Telephone: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 30 April 2021

### Section 2. Hazards Identification

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.**

**EPA Approval No: Fertilisers (Corrosive) – HSR002569**

#### Pictograms



Corrosive

Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Corrosive to metals Cat. 1	H290	May be corrosive to metals.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P234	Keep only in original container.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P390	Absorb spillage to prevent material damage.

<b>Storage Code</b>	<b>Storage Statement</b>
P406	Store in corrosive resistant container with a resistant inner liner.

<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Dispose of according to Local Regulations or Authorities

<b>Section 3. Composition / Information on Ingredients</b>
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<b>Ingredients</b>	<b>Wt%</b>	<b>CAS NUMBER.</b>
Diethylenetriaminepentaacetic acid, ferric diammonium complex, 53% aqueous solution	53	Proprietary

<b>Section 4. First Aid Measures</b>
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Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Take off contaminated clothing and shoes immediately. Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Rinse mouth. Drink plenty of water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

**Most important symptoms and effects, both acute and delayed**

Symptoms: The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

Treatment: Treat symptomatically

<b>Section 5. Fire Fighting Measures</b>
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<b>Hazard Type</b>	Non Flammable
<b>Hazards from combustion products</b>	Fire will produce smoke containing hazardous combustion Products.
<b>Suitable Extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray may be ineffective unless used by experienced firefighters.
<b>Precautions for firefighters and special protective clothing</b>	In the event of fire, wear self-contained breathing apparatus.
<b>HAZCHEM CODE</b>	<b>2X</b>

<b>Section 6. Accidental Release Measures</b>
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Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Ensure adequate ventilation.

Try to prevent the material from entering drains or water courses.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of according to Section 13.

## Section 7. Handling and Storage

### Precautions for Handling:

- Read label before use.
- Keep only in original container.
- Smoking, eating and drinking should be prohibited in the application area.

### Precautions for Storage:

- Do not store together with incompatible materials listed in Section 10.
- Keep out of reach of children.
- Keep container tightly closed in a dry and well-ventilated place.
- Store in closed dark containers made of anti-corrosive material.
- Keep only in original container.
- Maximum storage temperature: 40°C

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

### Engineering Controls

Effective exhaust ventilation system

### Personal Protection Equipment



<b>Eyes</b>	Tightly fitting safety goggles.
<b>Hands and Skin</b>	Wear gloves. Protective suit.
<b>Respiratory</b>	In the case of vapour or aerosol formation use a respirator with an approved filter.
<b>Hygiene</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Red brown liquid
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>pH</b>	6 - 7 1% (water)
<b>Boiling Point</b>	105 - 110 °C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available

Product Name: Dissolvine DTPA 6%  
Date of SDS: 30 April 2021

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
Tel: 64 9 475 5240 www.techcomp.co.nz

<b>Flash Point</b>	Not available
<b>Flammability</b>	The product is not flammable.
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	similar to water
<b>Relative Density</b>	1.15 - 1.38
<b>Solubilities</b>	Completely miscible
<b>Partition Coefficient: N octanol/water</b>	log Pow: < 0
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity, dynamic</b>	10.5 mPa.s at 20 °C
<b>Particle Characteristics</b>	Not applicable

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Copper Aluminium Zinc Copper alloys Nickel
<b>Hazardous Decomposition Products</b>	Carbon oxides, nitrogen oxides (NOx)

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable. LD50: > 5,000 mg/kg (rat)
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

### Toxicity

Toxicity to fish

: LC50: > 100 mg/l  
Exposure time: 96 h  
Species: Danio rerio (zebra fish)  
Read-across (Analogy)

<b>Persistence and degradability</b>	Not readily biodegradable.
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<b>Bioaccumulation</b>	Not expected considering the low log Pow value.
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

### Section 13. Disposal Considerations

**Disposal Method:** Empty remaining contents and dispose as per Local Regulations.

**Disposal methods to avoid:** Do not dispose of waste into sewer.

### Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

#### Road and Rail Transport

UN No: 1760  
 Class-primary 8  
 Packing Group III  
 Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Diethylenetriaminepentaacetic acid, ferric-diammonium complex)

#### Air Transport

UN No: 1760  
 Class-primary 8  
 Packing Group III  
 Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Diethylenetriaminepentaacetic acid, ferric-diammonium complex)

#### Marine Transport

UN No: 1760  
 Class-primary 8  
 Packing Group III  
 Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Diethylenetriaminepentaacetic acid, ferric-diammonium complex)

#### **Limited Quantities Statement:**

If the product's individual container is below 5L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

### Section 15 Regulatory Information

EPA Approval Code: Fertilisers (Corrosive) – HSR002569

GHS Classification: Corrosive to metals Cat. 1

HSWA & EPA Controls	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000 L
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	None

### Section 16 Other Information

#### Glossary

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.

LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, if further information is required.

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