

MATERIAL SAFETY DATA SHEET

Transit B, Zn & Mg Liquid

Version: 1

Issued: 15th September 2016

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CLASSIFICATION OF MATERIAL

Based on available information, not classified as hazardous according to criteria of NOHSC 1008 (2004). Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1	Product:	Transit B, Zn and Mg Liquid®
1.2	UN Proper Shipping Name:	None allocated
1.3	Recommended Use:	Fertilizer
1.4	Supplier:	Dual Chelate Fertilizer Pty Ltd
1.5	A.B.N:	956 1459 9923
1.6	Address:	162, New Guinea Road, Robinvale, VIC 3549
1.7	Telephone Number:	(03) 5026 4052 (Australia)
1.8	Facsimile:	(03) 5026 4052 (Australia)
1.9	Emergency Telephone Numbers:	(03) 5026 4052 (Australia: Weekdays 8.00am to 5.00pm) Poisons Information Centre Australia: 13 1126 Poisons Information Centre New Zealand: 0800 764 766

2. HAZARDS IDENTIFICATION

2.1	Hazard Classification:	Non-hazardous Substance. Non-Dangerous Goods.
2.2	GHS Classification:	Not applicable.
2.3	Hazard Statements:	No hazard statements.
2.4	Prevention Statements:	P102 Keep out of reach of children. P103 Read label before use. P104 Read Safety Data Sheet before use.
2.5	Response Statements:	No response statements.
2.6	Storage Statements:	No storage statements.
2.7	Disposal Statements:	P501 Dispose of waste material through a licensed contractor or facility.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Boron	7440-42-8	6 -12
Zinc	7440-66-6	1-2
Magnesium	7439-95-4	0.5-1.0
Plant derived Amino Acids	Proprietary	15-25
Heavy Metals		<10ppm

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4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

Ingestion:	Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water
Eye:	Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of eyes by separating eyelids with fingers. Obtain medical attention immediately.
Skin:	Wash skin thoroughly with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before use.
Inhalation:	Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

4.2 Medical Attention and Special Treatment

First Aid Facilities:	No special facilities required.
Comments:	Treat according to person's condition and specifics of exposure.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Equipment:	Use agent most appropriate to extinguish fire. In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.
5.2 Specific Hazards Arising from The Chemical:	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
5.3 Special Protective Equipment and Precautions for Fire Fighters:	Determine the need to evacuate or isolate the area according to your local emergency plan. Fire fighters should wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:	Transfer material to a suitable labelled container for recycling or disposal. When dusts are generated, use PPEs: dust filter, goggles, gloves and protective clothing.
6.2 Environmental Precautions:	Do not allow large quantities to enter drains or surface waters.
6.2 Methods and Materials for Containment and Clean Up:	Recover product and dispose of waste according to Federal, E.P.A., State and Local regulations.

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7. HANDLING AND STORAGE

- 7.1 **Precautions for Safe Handling:** Do not take internally. Exercise good industrial hygiene practice. Wear protective clothing. Wash after handling, especially before eating, drinking or smoking.
- 7.2 **Conditions for Safe Storage, Including Any Incompatibilities:** Store in a cool, dry, well-ventilated area away from incompatible substances, away from heat and out of direct sunlight. Do not leave product in open containers. Store protected from moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 **National Exposure Standards:** Not exposure standard allocated.
- 8.2 **Biological Limit Values:** No biological limit allocated.
- 8.3 **Engineering Controls:** Avoid dust generation.
- 8.4 **Personal Protective Equipment:** Wear appropriate clothing and eye protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **Physical Description / Properties**
- Appearance:** light Brown liquid.
- Odour:** Mild Odour.
- pH:** 4-5
- Viscosity (cP @ 25°C):** Not applicable.
- Vapor Pressure:** Not available.
- Vapor Density:** Not available.
- Boiling Point (°C):** Not applicable.
- Freezing Point (°C):** Not applicable.
- Melting Point (°C):** Not applicable.
- Specific Gravity (@ 25°C):** 1.0-1.5
- Solubility In Water (g/100 mL):** Soluble.
- Flash Point (°C):** Noncombustible.
- Lower Explosive Limit (%):** Not applicable.
- Upper Explosive Limit (%):** Not applicable.
- Autoignition Temp (°C):** Not available.
- Decomposition Temp (°C):** Not available.

10. STABILITY AND REACTIVITY

- 10.1 **Reactivity:** Not relevant.
- 10.2 **Chemical Stability:** The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
- 10.3 **Conditions to Avoid:** Direct sunlight and heat.
- 10.4 **Incompatible Materials and Possible Hazardous Reactions:** Aluminum, diazomethane, phosphorus
- 10.5 **Hazardous Decomposition Products:** In the event of fire : POx

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11. TOXICOLOGICAL INFORMATION

11.1 Likely Route of Exposure: Inhalation Skin contact Ingestion

11.2 Health Effects from Likely Route of Exposure:

Quantitative data on the toxicity of this product are not available.

11.3 Other Information: No known applicable information.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity: Not data available.

12.2 Persistence and Degradability: Biodegradable.

12.3 Bioaccumulation Potential: No information available.

12.4 Mobility in Soil: No information available.

12.5 Other Adverse Effects: No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method: Single unit: Dispose of into landfill.
Large amounts: Reclaim or dispose of in accordance with local, state and federal regulations.

13.2 Disposal of Contaminated Packaging: Recycle or landfill.

13.3 Environmental Regulations: Not relevant.

14. TRANSPORTATION INFORMATION

14.1 UN Number: Not applicable.

14.2 UN Proper Shipping Name: Not applicable.

14.3 Dangerous Goods Class: Not applicable.

Packing Group: Not applicable.

14.4 Environmental Hazards: Not applicable.

14.5 Special Precautions During Transport: Not applicable.

14.6 HAZCHEM Code: Not applicable.

Additional Shipping Information: Not applicable.

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15. REGULATORY INFORMATION

- 15.1 SUSDP Poisons Schedule:** None allocated.
- 15.2 Prohibition / Licensing Requirements:** There are no applicable prohibition or notification / licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.
- 15.3 Industrial Chemicals (Notification and Assessment) Act 1989:** All ingredients are listed on or exempt from the Australia Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

- 16.1 Issue Date:** 15th September 2016.
- 16.2 Contact Points:**
- Title / Position:** Chemist
- Telephone:** (03) 5026 4052 (Australia: Weekdays 8.00am to 5.00pm).
- E-mail:** info@dualchelate.com
- 16.3 After Hours Emergency Medical Assistance:** Poisons Information Centre.
- Telephone:** Australia: 13 1126.
New Zealand: 0800 764 766.

Disclaimer:

The information supplied on this sheet is to the best of our current knowledge at the time of preparation and is intended to describe the product for the purpose of health, safety and environment requirements only. It does not relieve the user of this product of any responsibility to comply with local, national, or international laws relating to the handling or use of this product.

The Dual Chelate Fertilizer Pty Ltd does not accept responsibility for any claims resulting from the misuse of this product or failure to comply with the information stated within.

If clarification or further information is needed, the user should contact their Dual Chelate Fertilizer's representative or Dual Chelate Fertilizer Pty Ltd at the contact details on Page 1. Dual Chelate Fertilizer Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

Since Dual Chelate Fertilizer Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product.

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