



## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION

**Product Name:** Opti-Trace BMZ™

**Other Names:** Boron, Manganese, Zinc Fertiliser

**Uses:** Liquid Fertiliser

**Revision Date:** August 2019

**Organisation**

Hybrid Ag

**Location**

52 Buckler Road  
WANGARATTA VIC 3677  
AUSTRALIA

**Telephone**

61 3 5722 7555

Poisons Information Centre - Australia

13 11 26

CHEMCALL AUSTRALIA

1800 127 406

### 2. HAZARD IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**- IRRITANT -**

**Risk Phrases**

R36/38 Irritating to eyes and skin.

**Safety Phrases**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident, or if you feel unwell, seek medical advice immediately (show the label where possible)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Proportions (%)
Boron, Manganese, Zinc trace element hotmix, carbohydrate olidimers		>95

### 4. FIRST AID MEASURES

**Inhalation:**

Remove from area of exposure to fresh air. Seek medical advice if effects persist.

**Eye Contact:**

Rinse opened eye for several minutes under running water. Seek medical advice if effects persist.

**Skin Contact:**

Remove any contaminated clothing and wash skin thoroughly with soap and water

**Ingestion:**

Rinse mouth and then drink plenty of water. Seek medical advice if effects persist.

**Medical Attention:**

Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**Flammability:**

Non Combustible

**Hazards from combustion Products:**

Non Known

**Precautions for fire fighters and**

**Special protective equipment:**

Fire Fighters to wear self contained breathing apparatus and suitable protective clothing

**Suitable extinguishing media:**

Water jet, carbon dioxide or extinguishing powder:

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

Eliminate all sources of ignition. If contamination of waterways or sewers has occurred, advise the EPA or your local Waste management authority.

**Methods and materials for containment and clean up.**

Wear protective equipment to prevent skin and eye contact and inhalation. Contain and sweep/shovel up spills or use an industrial vacuum cleaner. Seal in properly labelled container for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Wear protective clothing. Avoid skin and eye contact. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

### Conditions for safe storage:

Store in a cool, dry well ventilated place out of direct sunlight. Store away from incompatible materials including: acids, oxidising agents and sources of ignition. Keep containers closed when not in use. Inspect regularly for damage or leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National Exposure Standards:

N App

### Engineering controls:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating fumes and avoid spills. Use with local exhaust ventilation or while wearing protective clothing.

### Personal Protective Equipment

RESPIRATOR: If engineering controls are inadequate, wear an approved particulate respirator.

EYES: Safety glasses with side shields.

CLOTHING: Standard approved work uniform/clothing.

HANDS: Synthetic gloves.

Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Dark brown liquid
<b>Formula:</b>	Unspecified
<b>Odour</b>	Odourless
<b>Solubility in water</b>	Fully Miscible
<b>Specific Gravity</b>	1.14
<b>Flash Point</b>	N/A
<b>pH</b>	5.5
<b>Ignition Temperatures</b>	Not Applicable
<b>Volatile Organic Compounds (VOC) content</b>	Not Applicable
<b>Viscosity</b>	No Data
<b>Potential for Dust Explosion</b>	None
<b>Decomposition Temperature</b>	N/A

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Avoid excessive heat, static discharge and sources of ignition.
<b>Incompatible Materials:</b>	Strong oxidising agents, acids and sources of ignition.
<b>Hazardous Decomposition Products</b>	Product may emit carbon monoxide.
<b>Hazardous reactions:</b>	No dangerous reactions known.

## 11. TOXOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

<b>Toxicity data:</b>	Oral LD50 (Rat):10.48mg/Kg (very weakly toxic)
<b>Ingestion:</b>	No adverse effects expected, however if large amounts are consumed nausea and vomiting may occur.
<b>Eye Contact:</b>	May cause eye irritation.
<b>Skin Contact:</b>	May cause skin irritation.
<b>Inhalation:</b>	May result in respiratory irritation.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No Data
<b>Mobility:</b>	Spontaneous coupling by biochemical reaction in soil.
<b>Environmental fate:</b>	Do not allow this product to enter drains, waterways or sewers.

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of material through a licensed waste contractor, in accordance with local, state and federal regulations. Normally suitable for disposal at approved land waste site.

## 14. TRANSPORT INFORMATION

This product is not restricted by any dangerous goods regulation. Road, Rail, Marine and Air transport are all viable modes of transport.

**Shipping Name:** Liquid Fertiliser

**UN No.** Not allocated.

## 15. REGULATORY INFORMATION

**Poisons Schedule:** None allocated

**AICS Name:** None Allocated

## 16. OTHER INFORMATION

Supplier of Material Safety Data Sheet; 08/2019

### Hybrid Ag

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**This MSDS summarises Hybrid Ag's best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace, however Hybrid Ag expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.**