

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hi-2 Trace
Synonyms: -
Product Type: Liquid Fertilizer

Company Name: Hi-Tech Ag Solutions
 24 Shanahan Road (PO Box 5351)
 Davenport WA 6230 Australia

Phone: 08 9725 7322

Emergency Contact: Terry Kneale
After Hours Chief Executive Office
 0499 944 099

Date of Issue: 18th June 2019

2. HAZARDS IDENTIFICATION

Hazard Classification: **HAZARDOUS** according to the criteria of the Globally Harmonised System of classification and labelling of chemicals (GHS)
NON-DANGEROUS GOODS. - Dangerous goods classification according to the Australia Dangerous Goods Code.

GHS Classification: Acute Toxicity (oral) – Cat 4
 Serious Eye Damage/Irritation – Cat 1
 Acute Hazard To the Aquatic Environment – Cat 1
 Long-term Hazard To The Aquatic Environment – Cat 1

Label Elements:



Signal Word: Danger

Hazard Statement: H302 – Harmful if Swallowed
 H318 - Serious Eye damage
 H410 – Very Toxic to aquatic life with long lasting effects.

Precautionary Statement(s): P280 – Wear eye protection
 P273 - Avoid Release to the environment.
 P270 – Do not eat, drink or smoke when using this product.
 P260 – Do not breathe dust or mist

Response: P305+P351 + P338 +P310 – IF in EYES: rinse Cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

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P391 – Collect Spillage
P330 – Rinse Mouth
P314 – Get Medical Attention if you feel unwell.

Disposal: P501 - Dispose of Contents/container to an approved waste disposal plant.


3. INFORMATION ON INGREDIENTS


Chemical Entity	Formula	CAS Number	Proportion
Zinc Sulphate (ZnSO ₄)	No Data Available	7733-02-0	40-45%
Water (H ₂ O) and Other Traces	No Data Available	7732-18-5	BALANCE %

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest position comfortable for breathing until fully recovered. If respiratory symptoms persist, get medical attention.

Ingestion: Do not induce vomiting, unless instructed by doctor. Drink Plenty of water/milk. Seek medical attention.

Skin Contact:  Take off contaminated clothing. Rinse skin off immediately with plenty water for 15 to 20 minutes. Seek medical advice if irritation persists.

Eye:  Rinse with plenty of clean water for 15 minutes, seek Medical Advise immediately.

First Aid Facilities: Eyewash and normal washroom facilities

Advice to Doctor: Treat symptomatically.

Other Information: For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

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5. FIRE FIGHTING MEASURES

Hazards from Combustion: Non-combustible material.

Specific Hazards: Fire may produce irritating fumes. Including Sulphur and Oxides of Zinc.

Precautions in connection with Fire: Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Dike area to prevent runoff and contamination of water sources. Suitable for most extinguishing media.

Hazchem Code: Not Regulated

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible, contain the spill. Place sand, earth or vermiculite on spillage. Collect the material and place into a suitable labelled container. Do not flush down drains or into water ways.

Other Information: Large spills may be reportable to the state and/or local regulatory agencies.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Use only in a well ventilated area.
 Keep containers sealed when not in use.
 Prevent the build-up of mists or vapours in the work atmosphere.
 Avoid inhalation of vapours and mists, and skin, eye or clothing contact.
 Remove clothing if product gets inside, then wash thoroughly and out on clean clothing. Remove Personal Protective Equipment (PPE) Immediately after handling this product, was outside of gloves and as soon as possible was thoroughly and change into clean clothing. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, and smoking or using toilet facilities.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area, out of direct sunlight and reach of children. Store in original, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations. Store away from combustible materials, herbicides and fungicides. Do not use or store near open flame. Do not contaminate water, food or feed by storage or disposal.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: No exposure value assigned for this specific material

Biological Limit Values: No biological limits allocated.

Engineering Controls: Use with good general ventilation.

Eye Protection:



Chemical goggles should be worn. An emergency eyewash or water supply should be readily accessible to the work area. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection:



Wear gloves of impervious material

Body Protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes, overalls and chemical resistant gloves. Wash hand after handling products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue Thin Liquid
Odour: Nil
Boiling Point: > 100°C
Melting Point: N/A
Solubility in Water: 100%
Specific Gravity: 1.28 -1.31
pH Value 3.8-4.5
Vapour Pressure: N/A
Vapour Density (Air=1): N/A
Colour: Blue
Flash Point: N/A
Flammability: Not flammable water based liquid
Auto-Ignition Temperature: N/A
Flammable Limits Lower: N/A
Flammable Limits Upper: N/A

Note: Physical data typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

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10. STABILITY AND REACTIVITY

Reactivity:	Avoid Contact with Strong Acids.
Conditions to Avoid:	Excessive heat
Chemical Stability:	Stable under normal conditions of storage and handling.
Incompatible Materials:	1. Strong acids – may decompose vigorously

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	Can cause nausea vomiting, diarrhoea and gastrointestinal irritation.
Skin Corrosion/Irritation:	May cause irritation.
Eye Irritant:	May cause eye Damage/irritation
Respiratory irritation:	Data not available
Germ Cell Mutagenicity:	Data not available
Carcinogenicity	Data not available
Reproductive Toxicity:	Data not available
STOT – single exposure	Data not available
STOT- repeated exposure:	Data not available
Aspiration Hazard:	Data not available

12. ECOLOGICAL INFORMATION

Toxicity:	Very Toxicity to Aquatic Life.
Persistence & degradability:	Data not available
Bio accumulative potential:	Data not available
Mobility in soil:	Data not available

13. DISPOSAL CONSIDERATIONS

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Dispose of in appropriately licence general landfill site in accordance with local, state and federal regulations. Waste should be labelled. Special arrangements made to bury bulk waste upon dumping, limiting exposure.

14. TRANSPORTATION INFORMATION

The product is a not considered a dangerous good and not subject to the provisions of ADR (road), RID (railway), IMDG (sea) or IATA (airplane).

15. REGULATORY INFORMATION

Poisons Schedule: 6

16. OTHER INFORMATION

While the information is herein correct to the best of our knowledge, Hi-Tech Ag Solutions PTY LTD herein disclaims any warranties as to the accuracy of the same. Recommendations or suggestions are made without guarantee or representation as to result, as the condition that the buyer shall make his own test to determine its suitable for buyers purposes. No statement contained herein shall be constructed as a recommendation to infringe any patent. If this SDS is more than 2 years old please enquire if any revisions have been made prior to its use. This SDS was prepared from information provided by Hi-Tech Ag Solutions PTY LTD with the approval from Hi-Tech Ag Solutions PTY LTD.

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