

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hi-3 Trace
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: 0499 944 099
Date of Issue: 18th March 2024

2. HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to the GHS classification and labelling of chemicals.
 Non-Dangerous Goods. - according to the Australia Dangerous Goods Code.

Hazard Category C Corrosive

GHS Classification: Skin Corrosion/irritation – Sub Cat 2
 Corrosive to Metals – Cat 1

Label Elements:



Signal Word: Warning

Hazard Statement: H315 – Causes skin irritation.
 H290 - Maybe be corrosive to metals

Precautionary Statement(s): P273 - Avoid Release to the environment.

Response: P301+P3330 + P331 – If swallowed rinse mouth, do not induce vomiting.
 P301 + P312- If swallowed call doctor/physician if they feel unwell.
 P303 + P361 + P353 – If on skin, remove contaminated clothing & rinse water/shower.

Disposal: P501 - Dispose of contents/container according to applicable local and state government regulations.

3. INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Zinc Sulphate	7733-02-0	30-35%
Water (H2O) and Other Traces		Balance %

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air If respiratory symptoms persist, get medical attention.

Ingestion: Rinse mouth with water. Seek medical attention if symptoms develop

Skin Contact: Rinse skin with water. Seek medical advice if irritation persists.

Eye: Rinse with plenty of clean water, seek Medical Advice 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

Suitable Extinguishing media: Water fog, foam, dry chemical powder, Carbon dioxide.

Unsuitable Extinguishing media: Do not use a water jet as an extinguisher, as this will spread the fire.

Specific Hazards: During a fire, gases hazardous to health, maybe formed.

Precautions in connection with Fire: Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

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 absorbent material on spillage. Collect the material and place into a suitable labelled container.

Clean Up Procedures: 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. Wear appropriate PPE, when handling product

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area, Store in original, labelled containers. Keep containers closed when not in use. Do not store near incompatible materials as per section 10 of SDS.

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.

PPE:

Eye Protection: Safety glasses with side shields should be worn

Hand Protection: Wear gloves of impervious material

Body Protection: Wear overalls, to avoid skin contact



General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green- Blue Solution	Melting Point:	N/A
Specific Gravity:	1.25 – 1.38	Boiling Point:	>100° C
pH Value	2.1 - 2.4	Solubility in Water:	Completely soluble
Vapour Pressure:	N/A	Flash Point: N/A	N/A
Vapour Density (Air=1):	N/A	Flammability:	Not flammable
Auto-Ignition Temperature:	N/A	Flammable Limits	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.

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of storage and handling.
Conditions to Avoid:	Contact with incompatible materials
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition products:	No hazardous decomposition of products is known

11. TOXICOLOGICAL INFORMATION

Ingestion:	Low ingestion hazard
Skin Contact	May cause irritation.
Eye Contact:	Cause serious eye damage.
Respiratory:	No adverse effects.
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

12. ECOLOGICAL INFORMATION

Toxicity:	Data not available
Persistence & degradability:	Data not available
Bio accumulative potential:	Data not available
Mobility in soil:	Data not available

13. DISPOSAL CONSIDERATIONS

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

This information is based on collective and current knowledge, is intended to describe the product for purposes of safety, environmental and health requirements only. It should therefore not be construed as guaranteeing any specific property of the product. The SDS is prepared by Hi Tech Ag (PTY) LTD

Key/Legend

<	Less Than	atm	Atmosphere
>	Greater Than	CAS	Chemical Abstracts Service (Registry Number)
AICS	Australian Inventory of Chemical Substances	cm ²	Square Centimetres
CO₂	Carbon Dioxide	COD	Chemical Oxygen Demand

(°C)	Degrees Celsius	K	Kelvin
g	Grams	GHS	Globally Harmonised System
g/cm³	Grams per Cubic Centimetre	g/l	Grams per Litre
mmHg	Millimetre of Mercury	Kg	Kilogram
Kg/m³	Kilograms per cubic metre	lb	Pound
LC50	Lethal Concentration of a material in air which causes the death of 50% of a group of test animals.	LD 50	Lethal dose of material given all at once, which causes death of 50% of a group of test animals.
Ltr/L	Litre	m³	Cubic meter
mbar	Minibar	mg	Milligram
mg/24H	Milligrams per 24 Hour	mg/kg	Milligrams per Kilogram
mg/m³	Milligrams per Cubic Metre	mm	Millimetre
mmH2O	Millimetres of Water	mPa.s	Millipascals per Second
N/A	Not Applicable	NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission	OECD	Organisation for Economic Co-operation & Development
Oz	Ounce	PEL	Permissible Exposure Limit
Pa	Pascal	ppb	Parts per Billion
ppm	Parts per Million	ppm/2h	Parts per Million per 2 Hours
ppm/6h	Parts per Million per 6 Hours	psi	Pounds per Square Inch
R	Rankine	RCP	Reciprocal Calculation Procedure
STOT	Specific Target Organ Toxicity	TLV	Threshold Limit Value
Tne	Tonne	TWA	Time Weighted Average
µg/24H	Micrograms per 24 Hours	UN	United Nations
wt.	Weight	Immiscible : Liquids are insoluble in each other	
Misc. or Miscible liquids form one homogenous liquid phase regardless of the amount of either component.			

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