SAFETY DATA SHEET
Hi-2 Trace

1. CHEMICAL PRODUCT AND COMPANY IDENTIFCATION

Product Name:	Hi-2 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:	01st October 2024

2. HAZARDS IDENTIFICATION

Hazard Classification:	Hazardous according to 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):	P264 – Wash hands thoroughly after handling product P280 – Wear protective gloves/protective clothing /eye protection P305+P351 + P338 +P310 – IF in EYES: rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Disposal:	P501 - Dispose of container according to applicable local and state government regulations.

3. INFORMATION ON INGREDIENTS

Chemical	CAS Number	Proportion
Zinc Sulphate (ZnSO4)	7733-02-0	30 - 55%
Water (H2O) and Other Traces		BALANCE

4. FIRST AID MEASURES

Ingestion:	Rinse mouth. Seek medical attention if symptoms persist.
Skin Contact:	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye:	Rinse with plenty of clean water for, seek medical attention if irritation persists
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.
Specific Hazards:	Fire may produce irritating fumes.
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 PPE 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.
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**.** Observe good industrial hygiene practices.
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**: **Hand Protection**: **Body Protection**:	 Safety glasses or chemical goggles should be worn. Wear gloves of impervious material Wear chemical resistant coveralls
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue - Green Liquid	**Vapour Pressure:**	N/A
Odour:	None	**Vapour Density (Air=1):**	N/A
Melting Point:	N/A	**Flash Point:**	N/A
Boiling Point:	No Data	**Flammability:**	Not flammable
Solubility in Water:	**S**oluble	**Auto-Ignition Temperature:**	N/A
Specific Gravity:	1.20 – 1.34	**Flammable Limits Lower:**	N/A
pH Value	3.6 - 4.0	**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.			

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 are known.

11. TOXICOLOGICAL INFORMATION

Ingestion:	Low ingestion hazard
Skin Contact	May cause irritation.
Eye Contact:	May cause irritation
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
CO_2	Carbon Dioxide	COD	Chemical Oxygen Demand
(°C)	Degrees Celsius	K	Kelvin
g	Grams	GHS	Globally Harmonised System
g/cm^3	Grams per Cubic Centimetre	g/l	Grams per Litre
mmHg	Millimetre of Mercury	Kg	Kilogram
Kg/m^3	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	m^3	Cubic meter
mbar	Minibar	mg	Milligram
mg/24H	Milligrams per 24 Hour	mg/kg	Milligrams per Kilogram
mg/m^3	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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