

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hi-Iron
Product Type: Liquid Fertiliser
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: 03rd October 2024

2. HAZARDS IDENTIFICATION

Hazard Classification: Non-Hazardous Substance - According to the criteria of GHS classification.
 Non – Dangerous Goods - According to the Australia Dangerous Goods Code.

Label Elements No signal word, pictograms, hazard, or precautionary statements have been allocated

Other Hazards No information provided

3. INFORMATION ON INGREDIENTS

This is a proprietary fertilizer formulation and all ingredients as formulated are determined not to be hazardous according to the criteria of Work safe Australia.

4. FIRST AID MEASURES

Inhalation: Not a volatile liquid, if inhaled, blow out and seek medical attention.

Ingestion: Do not induce vomiting, wash thoroughly with water. If symptoms develop seek medical attention.

Skin Contact: Take off contaminated clothing. Rinse skin with plenty of water

Eye: Rinse with plenty of clean water.

First Aid Facilities: Eyewash, Shower, 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: Non-Flammable, may give-off toxic gases if strongly heated.

Precautions in connection with Fire: Suitable for most extinguishing media. No fire or explosion hazards exists.

Hazchem Code: None Allocated

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Wear appropriate personal protective equipment 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. Store and transport in sealed containers below 40° C. Remove PPE after handling this product.

Conditions for Safe Storage:

Store in a cool, dry, well-ventilated area, out of direct sunlight Store in original, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

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:

Wear chemical goggles with side shields.

Hand Protection:

Wear PVC or rubber gloves

Body:

Wear suitable coveralls



General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Dark Brown Liquid	Boiling Point:	N/A
Odour:	characteristic	Flash Point:	N/A
Specific Gravity:	1.09 – 1.21	Flammability:	Not flammable
pH	2.3 – 2.5	Solubility in water:	100%

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

Reactivity:

Stable liquid with no hazardous decomposition products.

Chemical Stability:

Stable under normal conditions of storage and handling.

Conditions to Avoid:

Excessive heat. Do not store near heat or flame.

Incompatible Materials:

N/A

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:

Data not available

Skin Corrosion/Irritation:

May cause mild irritation.

Serious Eye:

May cause mild irritation.

Ingestion:

May cause irritation

Respiratory irritation:

Data not available

Mutagenicity:

Not classified as a mutagen

Carcinogenicity

Not classified as a carcinogen

Reproductive Toxicity:

Not classified as a reproductive toxin

STOT – single exposure

Not classified as causing organ damage from single exposure

STOT- repeated exposure:

Not classified as causing organ damage from repeated exposure

12. ECOLOGICAL INFORMATION

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: Not a scheduled poison (standard for the uniform scheduling of drugs and poisons NO. 22)

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
mmH ₂ O	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 and 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

SAFETY DATA SHEET

Hi-Iron

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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