

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bio Active 22
Product Type: Liquid foliar fertiliser, plant growth stimulant and soil conditioner
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: 16th November 2023

2. HAZARDS IDENTIFICATION

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

Signal Word Warning

Label Elements



Hazard Statement: H320 – May cause eye irritation.

Precautionary Statement(s): P264 - Wash hands thoroughly after handling
P281 - Use personal protective equipment as required.

Response: P314 – Get Medical Attention if you feel unwell.

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

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: Rinse mouth with water ,seek medical attention, if irritation persists

Skin Contact: Remove contaminated clothing and rinse skin with water, seek medical advice if irritation persists.

Eye: If in eyes, flush with copious amounts of clean water. If irritation persists, seek medical attention.

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:	This product is non-combustible.
Precautions in connection with Fire:	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing 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. If possible, contain the spill, by placing inert absorbent material onto spillage and collect and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations. 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. Remove clothing if contaminated with product .Maintain high standards of personal hygiene
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. Store away from incompatible material. Do not use or store near open flame.

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 chemical goggles should be worn.
Hand Protection	Wear gloves of impervious material
Body Protection	To avoid contact with skin, wear coveralls



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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black - Dark Brown Liquid	Vapour Pressure:	N/A
Odour:	Slightly earthy	Vapour Density (Air=1):	N/A
pH Value	11.0-12.0	Flash Point:	N/A
Specific Gravity:	1.02-1.12	Flammability:	Not flammable
Melting Point:	N/A	Auto-Ignition Temperature:	N/A
Boiling Point:	N/A	Flammable Limits Lower:	N/A
Solubility in Water:	100%	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

Reactivity:	None known
Chemical Stability:	Stable under normal conditions of storage and handling.
Conditions to Avoid:	Do not store under direct sunlight and acids
Incompatible Materials:	No data available.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	Data not available
Skin	May cause irritation.
Serious Eye:	May Cause slight eye irritation
Ingestion:	Ingestion will cause irritation the mouth.
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

12. ECOLOGICAL INFORMATION

Persistence & degradability:	Data not available
Bio accumulative potential:	Data not available
Mobility in soil:	Data not available
Environmental Fate:	Data not available
Environmental Impact:	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/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. The material is inhaled over a set period, usually 1or 4 hours	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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