SAFETY DATA SHEET
BLU-N

1. CHEMICAL PRODUCT AND COMPANY IDENTIFCATION

Product Name:	BLU-N
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 Substance - According to the criteria of GHS classification Non-Dangerous Goods. - According to the Australia Dangerous Goods Code.
GHS Classification	Category 2A, cause serious eye damage/eye irritation
Signal word	Warning
Label Elements	
Hazard Statements	H319 – Causes serious eye irritation
Precautionary Statements	P264 – Wash thoroughly after handling. P280 – Wear Protective gloves/ protective clothing/eye protection/face protection
Response	P305 + P351 + P358 – IF IN EYES Rinse cautiously with water for serval minutes, remove contact lenses if easy to do so and continue rinsing. P337 + P331 – If eye irritation persists, seek medical attention.
Storage Statements	No allocated.
Disposal	None allocated

3. INFORMATION ON INGREDIENTS

Ingredient	CAS No	Quantity
Urea	57 – 13 -6	25 – 50%
Ammonium Nitrate	6484-52-2	5 – 25 %
IP Blend Mix		20 -40%
Water		Balance

4. FIRST AID MEASURES

Inhalation:	Mild irritation can occur when spraying diluted solution. Move to well-ventilated area, seek medical attention, if irritation persists.
Ingestion:	Rinse mouth with plenty of water, if symptoms develop, seek medical attention
Skin Contact:	Remove contaminated clothing, rinse skin off with water Seek medical attention if irritation persists.
Eye:	Rinse with plenty of clean water, 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

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) Dike area to prevent runoff and contamination of water sources.
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. HANDING AND STORAGE

Precautions for Safe Handling:	Use in a well-ventilated area. Keep containers sealed when not in use. Avoid inhalation of vapours and mists, and skin, eye or clothing contact. Remove Personal Protective Equipment (PPE) after handling this 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.

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 or with respiratory protection.
PPE: **Eye Protection**: **Hand Protection:** **Body Protection**:	 Safety Goggles Wear gloves of impervious material Wear chemical resistant overalls
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark Orange – Brown Liquid	**Vapour Pressure:**	N/A
Specific Gravity:	1.10 - 1.21	**Vapour Density (Air=1):**	N/A
pH Value	6.9 – 7.7	**Flash Point:**	N/A
Melting Point:	N/A	**Flammability:**	Not flammable
Boiling Point:	>100° C	**Auto-Ignition Temperature:**	N/A
Solubility in Water:	Miscible	**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

Reactivity:	No data available.
Chemical Stability:	Stable under normal conditions of storage and handling.
Conditions to Avoid:	Excessive cold temperatures below -6^{o}C, may result in salting out of crystals
Incompatible Materials:	None
Hazardous decomposition Products:	Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	Data not available
Ingestion:	May Cause stomach distress, nausea, or vomiting.
Skin:	May cause skin irritation
Eye:	Eye Irritation
Respiratory or skin 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

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:
For any spillage wash with plenty of water or absorb with earth or other inert material. Dispose of in appropriately licence general landfill site in accordance with local, state, and federal regulations. Waste should be labelled.

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
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 and Dev .
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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