

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Poly NP
Product Type: Liquid Fertiliser
 Hi-Tech Ag Solutions
Company Name: 24 Shanahan Road (PO Box 5351)
 Davenport WA 6230 Australia
Phone: 08 9725 7322
Emergency Contact: 0499 944 099
Date of Issue: 13th June 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.

Signal Word None

Hazard Statements Not Applicable

Precautionary statements Not Applicable

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 WorkSafe Australia

4. FIRST AID MEASURES

Inhalation: Mild irritation can occur if inhaled, move to fresh air. If symptoms persist seek medical attention.

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

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

Eye: Rinse with plenty of water for, seek medical Advice, if irritation persists.

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 & PPE. Dike area to prevent runoff & 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. 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. 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 and transport in sealed containers, below 40°C, in original containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Biological Limit Values:

No biological limits allocated.

Engineering Controls:

Use with good general ventilation.

Eye Protection:

Safety glasses should be worn.

Hand Protection:

Wear gloves of impervious material

Body Protection:

Wear suitable coveralls



General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown transparent Liquid	Melting Point:	N/A
Solubility in Water:	100%	Boiling Point:	N/A
Specific Gravity:	1.30 – 1.44	Vapour Pressure:	N/A
pH Value	6.5 – 7.1	Vapour Density (Air=1):	N/A
Flash Point:	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

Reactivity:

May release Ammonia vapour upon exposure to alkaline chemicals.

Chemical Stability:

Stable under normal conditions of storage and handling.

Conditions to Avoid:

Avoid High Temperatures.

Incompatible Materials:

Avoid contact with strong acids; bases and oxidising agents.

Hazardous Decomposition of Products

Hazardous decomposition should not be produced under normal conditions of storage and use. Fire/heat may produce irritating toxic and or corrosive fumes including Ammonia and Nitrogen oxides.

Hazardous Polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Ammonium Polyphosphate LD50, Rat: 4.740 mg/kg
Ingestion	Not Toxic, no known significant effect or critical hazards
Eye Contact	May cause slight irritation
Skin Contact	No known significant effect or critical hazards.
Inhalation	Not a hazard under normal open-air conditions .
Carcinogen Category	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	Aquatic toxicity: LC50, fish(Oncorhynchus my kiss): >101mg/l (96h)
Persistence & degradability:	Not persistent. Readily biodegradable (Ammonium polyphosphate)
Mobility in soil:	Data not available May be harmful if released to the environment in large quantities.
Environmental Fate:	Excessive nutrient runoff to water may result in eutrophication. Avoid dispersal of spilled material and runoff and contact with soils, waterways drains and sewers.
Environmental Impact:	Data not available
Bioaccumulation Potential	No information available
Environmental Impact	No data available

13. DISPOSAL CONSIDERATIONS

Dispose of in appropriately licensed 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 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
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. 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 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
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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