

Section 1 - Identification of Material and Supplier

Supplier name: Paton Fertilizers
 Address: 82 Christensen Rd Stapylton QLD 4207
 Telephone: (02) 9395 1200
 Fax: (02) 9395 1241
 Website: www.paton.com.au

Synonyms: Nutrafeed 23, NF23/20
 Product Use: Fertiliser

Section 2 - Hazards Identification

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No.	None Allocated	Hazchem Code	None Allocated	Pkg Group	None Allocated
DG Class	None Allocated	Subsidiary Risks	None Allocated	EPG	None Allocated

Section 3 - Composition/Information on Ingredients

Ingredients	Formula	Conc, %	CAS No
Potassium Sulphate	K ₂ -SO ₄	Not available	7778-80-5
Sulphate of Ammonia	(NH ₄) ₂ -S-04	Not available	7783-20-2
Magnesium Sulphate Granular	Not available	Not available	7487-88-9
BSP Trace Elements	Not available	Not available	Numerous
Monoammonium Phosphate	N-H ₃ .H ₃ -P-04	Not available	7722-76-1
Urea Low Biuret	(NH ₂) ₂ CO	Not available	57-13-6
Potassium Nitrate	Not available	Not available	77757-79-1

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia and is available at all times. Have this MSDS with you when you call.

Inhalation: If over exposure occurs, leave area immediately. If irritation persists, seek medical attention.

Skin Contact: Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.

Eye Contact: Flush gently with running water. Seek medical attention if irritation develops.

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Ingestion: For advise contact a Poisons Information Centre on 13 11 26 or a doctor.

Advice to Doctor: Treat symptomatically

Section 5 - Fire Fighting Measures

Flammability: Non Flammable. No fire or explosion hazard exists. May evolve ammonia and oxides of nitrogen, phosphorus and potassium when heated to decomposition.

Fire and Explosion: Non flammable. No fire or explosion hazard exists

Extinguishing: Non flammable

Hazchem Code: None Allocated

Section 6 - Accidental Release Measures

Spillage: If spilt, wear dust proof goggles, gloves and respirator (where dust inhalation risk exists) Ventilate spillage area. Collect and place in sealable containers for disposal. Avoid generating dust.

Section 7 - Handling and Storage

Storage: Store in cool, dry area removed from foodstuffs. Ensure containers are labelled, protected from physical damage and sealed when not in use. Do not allow to come into contact with water either from rain, condensation or the surface on which it is stored. Bagged fertilisers should be stored under cover and out of direct sunlight (which degrades polywoven bags) If stored in the open, do so for short periods only and cover with a tarpaulin. If stacking is necessary, bulk bags should be stored in a stable manner, preferably in a pyramidal style. Bulk bags should not be stacked more than two high for bags containing 1000 kg or more, or more than four high for bags containing up to 500kg. The pallet Capacity Rating (Design Weight) should not be exceeded on the bottom tier for other packs. High stacking should be avoided as pressure promotes caking. Store away from farm chemicals eg insecticides, fungicides and herbicides. This product when stored in a confined, unventilated space can give off ammonia or other odour and lead to the depletion of oxygen within this space and other confined areas.

Handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Ventilation: Do not inhale dust. Use with natural ventilation. Use appropriate safe work practices to reduce dust levels. Maintain dust levels below the recommended exposure standard.

PPE: Personal Protective Equipment is not required under normal conditions of use. Where an inhalation risk exists, wear a Class P1 (Particulate) Respirator. Individuals with sensitive skin should consider wearing rubber or PVC gloves.

Section 9 - Physical and Chemical Properties:

Appearance:	Green Crystalline Solid	Water Solubility:	Not Available
Odour:	Mild	Specific Gravity:	Not Available
pH:	Not Available	% Volatiles:	Not Available
Vapour Pressure:	Not Available	Flammability:	Non Flammable
Vapour Density:	Not Available	Flash Point:	Not relevant
Melting Point:	Not available	Upper Explosion Limit	Not relevant
Boiling Point:	Not relevant	Lower Explosion Limit	Not relevant

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Section 10 - Stability and Reactivity

Reactivity: Compatible with most commonly used materials

Fire Decomposition: May evolve ammonia and oxides of nitrogen, potassium and Phosphorus when heated to decomposition.

Section 11 - Toxicological Information

Health Hazard Summary: Low toxicity. This product may only present a hazard with eye contact, prolonged and repeated skin contact or with dust inhalation at high levels

Eye: Low to moderate irritant. Exposure may result in irritation, pain and redness

Inhalation: Low irritant. Over exposure may result in mucous membrane irritation of the nose and throat with coughing.

Skin: Non – low irritant. Prolonged and repeated use may result in slight irritation. Some individuals with sensitive skin may experience adverse skin reactions and would be advised to discontinue use.

Ingestion: Low toxicity. With large doses, ingestion may result in nausea, vomiting and gastrointestinal irritation.

Toxicity Data: No LD50 data available for this product.

Section 12 - Ecological Information

Environment: Avoid contamination of waterways. Fertilisers, particularly those containing nitrogen and phosphorus can stimulate weed and algal growth in static surface waters. Nitrogen fertilisers can also contain or form Nitrate which can contaminate surface and ground water. High nitrate concentrations may render the water unsuitable for human and livestock consumption.

Section 13 - Disposal Considerations

Disposal: There are many pieces of legislation covering waste disposal and they differ in each state and territory, so each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. The Hierarchy of Controls seems to be common - the user should investigate: Reduce, Reuse, and Recycle and only if all else fails should disposal be considered. Note that properties of a product may change in use, so that the following suggestions may not always be appropriate. The following may help you in properly addressing this matter for this product. Special help is available for the disposal of Agricultural Chemicals. The product label will give general advice regarding disposal of small quantities, and how to cleanse containers. However, for help with the collection of unwanted rural chemicals, contact ChemClear 1800 008 182 <http://www.chemclear.com.au/> and for help with the disposal of empty drums, contact DrumMuster <http://www.drummuster.com.au/> where you will find contact details for your area.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Shipping Name.	None allocated	DG Class	None allocated	Subsidiary Risk	None allocated
UN No.	None allocated	Hazchem Code	None allocated	EPG	None allocated
Pkg Group	None allocated				

Section 15 - Regulatory Information

Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
ASCC	Office Of The Australian Safety And Compensation Council
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]