



## Mother Earth (NPK 5-2-1)

### Section 1 - Identification of Material and Supplier

**Supplier name:** Paton Fertilizers  
**Address:** 126 Andrews Rd, Penrith, NSW, 2751  
**Telephone:** (02) 4729 2888  
**Fax:** (02) 4729 3037  
**Website:** www.paton.com.au  
**Synonyms:** **Mother Earth (NPK 5-2-1)**  
**Product Use:** Organic 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 Number:** None allocated      **Pkg Group**    None Allocated

**Hazchem Code:** None Allocated

**SUSDP Classification:** None allocated.

**Risk Phrases:** Not Hazardous according to criteria of NOHSC

**Safety Phrases:** Not Hazardous according to criteria of NOHSC

#### Emergency Overview

**Physical Description & colour:** Dark Brown granules or prills

**Odour:** Mild Odour

**Major Health Hazards:** No significant risk factors have been found for this product in normal use.

#### Potential Health Effects

**Inhalation:** If product in high concentrations of airborne dust, prolonged contact may cause irritation to the nose and throat

**Skin Contact:** May be mildly irritating to skin.

**Eye Contact:** May be mildly irritating to eyes

**Ingestion:** Ingestion of large amounts may be harmful

#### Carcinogen Status:

**NOHSC:** No significant ingredient is classified as carcinogenic by NOHSC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

### Section 3 - Composition/Information on Ingredients

Ingredients	Conc.%	TWA (mg/m3)	STEL (mg/m3)
Organic Fertiliser including Trace Elements and Calcium	to 100	not set	not set

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

*The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.*

### 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:** First Aid is not generally required, however if irritation is experienced, remove victim to fresh air.

**Skin Contact:** Remove contaminated clothing and wash thoroughly with soap and water.

**Eye Contact:** Hold eye open and flush gently with copious amounts of water for 15 minutes. Seek medical attention if irritation develops.

**Ingestion:** If swallowed, immediately rinse mouth out with water. Give water to drink. For advice contact Poisons Information Centre or doctor.

**Advice to Doctor:** Treat symptomatically. On inhalation of decomposition products (nitrous gases), development of pulmonary oedema. Symptoms can appear later

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## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition may give rise to nitrous gases

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Auto ignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

**Hazchem Code:** None Allocated

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## Section 6 - Accidental Release Measures

**Spillage:** Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recovered product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

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## Section 7 - Handling and Storage

**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.

**Storage:** Store in cool, dry area removed from foodstuffs, combustible materials, herbicides and fungicides. 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. 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.

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## 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**.



## Exposure Limits

TWA (mg/m<sup>3</sup>)  
not set

STEL (mg/m<sup>3</sup>)  
not set

ADI (mg/Kg/day)  
not set

NOEL (mg/Kg/day)  
not set

*The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. A TWA has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, Dec 2003.*

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** Avoid high dust concentration and provide local exhaust ventilation where necessary.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** Wear PVC gloves to prevent skin contact. Wear overall and long sleeves to prevent contact

**Respirator:** Use P2 type canister respirator where high concentrations of airborne dust is present

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## Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Dark brown granules or prills

**Odour:** Mild odour

**Melting Point:** No data

**Flash Point:** Non-flammable

**Vapour Pressure:** Not applicable

**Specific Gravity:** No Data

**Water Solubility:** Slightly soluble

**pH:** No data

**Auto ignition temp:** Not applicable

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## Section 10 - Stability and Reactivity

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions.

**Conditions to Avoid:** Heat, flames, and incompatibles

**Incompatibilities:** No particular incompatibilities

**Fire Decomposition Products:** May release nitrous gases

**Polymerisation:** This product is unlikely to undergo polymerisation processes.

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## Section 11 - Toxicological Information

**Routes of Entry:** Ingestion.

**Toxicity to Animals:**

LD50: Not available.

LC50: Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:**

Hazardous in case of ingestion of large quantities.

Slightly hazardous in case of skin contact (irritant), of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

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## Section 12 - Ecological Information

**Environmental Fate:**

No information found.

**Environmental Toxicity:**

No data

Due to organic nature of product, it is not expected to cause problems in the environment

## 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. 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/>

## 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.

## 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)

**AICS:** All of the significant ingredients in this formulation are to be found in the public AICS Database.

## Section 16 - Other Information

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

### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOHSC</b>	National Occupational Health & Safety Commission
<b>NTP</b>	National Toxicology Program (USA)
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	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)] © Paton Fertilizers 2009