



MATERIAL SAFETY DATA SHEET

DIAMOND BLACK FERTILISER

Date of Issue: January 01, 2011

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: **Diamond Black Fertiliser**
Recommended use: Fertiliser
Supplier: Campbells Fertilisers Australasia
Address: 18 Raymond Road, Laverton North, Victoria, 3026
Telephone: (03) 9931 2211
Facsimile: (03) 9931 2201
Website: www.campbellsfert.com.au
Contact:
Emergency Telephone Number: (03) 9931 2211 (business hours only 8.30 to 5.00)

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD

Hazard designation: Based on available information, not classified as hazardous according to the criteria of NOHSC.
Risk phrases: Not applicable.
Safety phrases: Not applicable.
ADG classification: This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.
SUSDP classification: Exempt

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (%):
Non-hazardous ingredients		100

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4. FIRST AID MEASURES

- Inhalation:** Remove victim to fresh air. If effects occur, seek medical advice.
- Skin contact:** Promptly wash with soap and water for at least 15 minutes while removing contaminated clothing. Wash contaminated clothing before re-use.
- Eye contact:** Flush immediately and continuously with copious quantities of water for at least 30 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
- Ingestion:** Contains 6.6% Nitrates.
Notes to physician: For Nitrates:
Clinical Findings: The smooth muscle relaxant effect may lead to headache, dizziness and marked hypertension. Cyanosis is clinically detectable when approximately 15% of the haemoglobin has been converted to methaemoglobin (ie. ferric iron). Symptoms such as headache, dizziness, weakness and dyspnea occur when methaemoglobin concentrations are 30% to 40%; at levels of about 60%, stupor, convulsions, coma and respiratory paralysis occur and the blood is a chocolate brown colour. At higher levels death may result. Spectrophotometric analysis can determine the presence and concentration of methaemoglobin in blood.
Treatment:
1. Give 100% oxygen.
2. In cases of a) swallowing: use gastric lavage
b) contamination of skin (unburnt or burnt): continue washing to remove salts
3. Observe blood pressure and treat hypotension if necessary.
4. When methaemoglobin concentrations exceed 40% or when symptoms are present, give methylene blue 1 to 2mg/kg body weight in a 1% solution by slow intravenous injection. If cyanosis has not resolved within one hour a second dose of 2mg per kg body weight may be given. The total dose should not exceed 7mg/kg body weight as unwanted effects such as dyspnea, chest pain, vomiting, diarrhoea mental confusion and cyanosis may occur. Without treatment, methaemoglobin levels of 20-30% revert to normal within 3 days.
5. Bed rest is required for methaemoglobin levels in excess of 40%.
6. Continue to monitor and give oxygen for at least two hours after treatment with methylene blue.
7. Consider transfer to centre where haemoperfusion can be performed to remove nitrates from blood if condition of patient unstable.
8. Following inhalation of oxides of nitrogen the patient should be observed for 24 hours for delayed onset of pulmonary oedema.
- First Aid Facilities:** Ensure washing facilities are available and maintained.

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5. FIRE FIGHTING MEASURES

Extinguishing media:	Non-flammable.
Hazards from combustion products:	Strong oxidising agent. Decomposes on heating emitting toxic fumes including those of nitrogen oxide.
Precautions for fire fighters:	Wear full protective clothing. Use self-contained air supply to protect from nitrogen oxides. Contains 50% potassium nitrate, which is an oxidiser and therefore increases the intensity of any fire and the possibility of an explosion.

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Contain material. Pick-up material and store in plastic bags, away from combustibles. Do not contaminate streams, rivers or waterways. Dispose of in approved landfill in accordance with state, federal and local regulations.

7. HANDLING AND STORAGE

Handling:	Avoid excessive generation of dust. Avoid contact with eyes and skin. Avoid breathing dust. Use with adequate ventilation. Wear gloves when handling the product over long periods.
Storage:	Keep out of reach of children. Store in a cool, dry place and away from combustible materials and reducing agents. Storage area should be well ventilated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:	No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).
Engineering controls:	General ventilation. Local exhaust ventilation is recommended to avoid breathing dust. Keep containers closed when not in use.
Personal Protective Equipment:	<i>Eyes:</i> Safety glasses with side-shields. <i>Gloves:</i> Avoid prolonged contact with skin; wear impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. <i>Respiratory:</i> Use an approved dust respirator to protect from dust if conditions warrant.

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Other:

Body-covering clothing.

Other Use

Precautions:

Shower after handling. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Mixture of small granules, crystals and powders.

Odour: Not available

Vapour pressure: Not applicable

Vapour density: Not available

Boiling point: decomposes > 130 °C

Melting point: Not Available

Solubility: 100% soluble in water

Density: Not Available

pH: 4 to 6 (10% solution in water)

Molecular Weight: Not available

Flash Point: Not relevant

Flammability (explosive) limits: Not flammable

Auto-ignition temperature: Not available

Octanol/water partition coefficient: Not available

10. STABILITY AND REACTIVITY

Chemical stability: Stable in normal use and storage

Hazardous polymerisation: Will not occur

Conditions to avoid: Fire

Incompatible materials: Corrosive to metals

Hazardous decomposition products: Nitrogen oxides

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11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Information on Product:

Inhalation:	Dust may be irritating.
Skin contact:	Normally non-hazardous. Repeated or prolonged skin contact may cause irritation.
Eye contact:	Dust may cause mild irritation and burn.
Ingestion:	Swallowing large amounts may cause nitrate poisoning.
Other:	No other known health effects.
Signs and symptoms of exposure:	Small amounts: weakness, general depression, headache and mental impairment Large amounts: dizziness, abdominal cramps, vomiting, bloody diarrhoea, weakness, convulsions and collapse

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways with product.

Environmental fate:	No data available
Mobility:	No data available
Persistence / degradation:	No data available
Ecotoxicological Information:	No data available

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method:

Depending on degree or nature of contamination, dispose of by use as a fertiliser on farm or to an authorised waste facility.

Contaminated Packaging:

Empty containers must be handled according to local regulations.



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14. TRANSPORT INFORMATION

UN number: Not applicable
Proper shipping name: Not applicable
Class and Subsidiary Risk: Not applicable
Packing Group: Not applicable
EPG: Not applicable
Hazchem code: Not applicable

15. REGULATORY INFORMATION

Based on available information, not classified as hazardous according to criteria of Worksafe Australia.
Poisons Schedule (Aust)/Toxic Substance (NZ): Exempt

16. OTHER INFORMATION

Trademark information:

Preparation information: Prepared by Campbells Fertilisers Australasia

Data sources: Supplier MSDS

END OF MSDS