



# MATERIAL SAFETY DATA SHEET

## Diamond Special C

Date of Issue: January 01, 2011

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

**Product Name:** Diamond Special C

**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](http://www.campbellsfert.com.au)

**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:** Classified as non-hazardous according to the criteria of NOHSC

**Risk Phrases:** Not applicable

**Safety Phrases:** Not applicable

**ADG International IMO:**

**Classification:** Proper Shipping Name: NPK Fertiliser

Hazard Class: 9

UN 2071

**SUSDP:** No information

**Classification:**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients:   | CAS Number: | Proportion (%w/w): |
|--|-------------|--------------------|
| <b>Components vary between products – see label for specific content information</b> |             |                    |
| mono ammonium phosphate  | 7722-76-1   |                    |
| potassium nitrate  | 7757-79-1   | <66%               |
| Magnesium sulfate  | 7487-88-9   |                    |
| Mono potassium phosphate   | 07778-77-0  |                    |
| EDTA salts of Ferrum, Copper, Zinc, Manganese  | -           |                    |



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### 4. FIRST AID MEASURES

*If exposed, concerned or if symptoms persist, get medical attention/advice. If medical advice is needed, have product container or label at hand.*

|                              |  |
|------------------------------|--|
| <b>Inhalation:</b>           | Remove to fresh air. If effects occur, consult physician.  |
| <b>Skin Contact:</b>         | Promptly wash with soap and water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse.      |
| <b>Eye Contact:</b>          | Flush immediately and continuously with flowing water for at least 30 minutes. Seek medical consultation if irritation persists. |
| <b>Ingestion:</b>            | Give large quantities of water and induce vomiting. Seek medical attention. <sup>2</sup>   |
| <b>First Aid Facilities:</b> | Ensure washing facilities, including an eyewash, are available.  |
| <b>Medical Personnel</b>     | Treat symptomatically.   |

### 5. FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>Extinguishing Media:</b>              | Non Flammable  |
| <b>Hazards from Combustion Products:</b> | Noxious fumes may form .Nitrogen Oxides. Potassium and ammonium nitrate are oxidisers and therefore increases the intensity of any fire and the possibility of an explosion. |
| <b>Precautions for Fire Fighters:</b>    | Self contained air supply to protect from nitrogen oxides.   |

### 6. ACCIDENTAL RELEASE MEASURES

|                                 |  |
|---------------------------------|--|
| <b>Containment and Clean Up</b> | Contain material .Pick up material and store in plastic bags, away from combustibles. Do not contaminate streams and water supplies. |
|---------------------------------|--|

### 7. HANDLING AND STORAGE

|                  |  |
|------------------|--|
| <b>Handling:</b> | Do not get on skin or clothing or in eyes.<br>Keep out of reach of children.<br>Avoid breathing dusts. |
| <b>Storage:</b>  | Store in a dry place.<br>Do not store with flammable and oxidisable substances.                        |

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                       |  |
|---------------------------------------|--|
| <b>Exposure Standards:</b>            | Not available  |
| <b>Engineering Controls:</b>          | General room ventilation. Recommended to control dust.   |
| <b>Personal Protective Equipment:</b> | <i>Eyes</i><br>Safety glasses with side-shields.<br><i>Gloves:</i><br>Recommended to avoid contact.<br><i>Other:</i><br>Body-covering clothing<br>Use dust mask if conditions warrant. |
| <b>Other Use Precautions:</b>         | Shower after handling.   |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                     |
|---|---------------------|
| <b>Appearance:</b>                          | Red                 |
| <b>Odour:</b>                               |                     |
| <b>Vapour Pressure:</b>                     | Below 1             |
| <b>Vapour Density:</b>                      |                     |
| <b>Boiling Point:</b>                       | decomposes          |
| <b>Freezing/Melting Point:</b>              | 60°C                |
| <b>Solubility:</b>                          | 35% (W/W)           |
| <b>Density:</b>                             | approx. 1.1kg/liter |
| <b>pH:</b>                                  | 4-6                 |
| <b>Flash Point:</b>                         | Above 150°C TCC     |
| <b>Flammability (explosive) Limits:</b>     | LEL-N/A ;UEL-N/A    |
| <b>Auto-Ignition Temperature:</b>           |                     |
| <b>Octanol/Water Partition Coefficient:</b> |                     |

### 10. STABILITY AND REACTIVITY

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Chemical Stability:</b>       | Stable in normal use and storage. |
| <b>Hazardous Polymerisation:</b> | Will not occur.                   |
| <b>Conditions to Avoid:</b>      | Fire conditions.                  |
| <b>Incompatible Materials:</b>   | Corrosive to metals               |
| <b>Hazardous</b>                 | Nitrogen oxides.                  |

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**Decomposition  
Products:**

### 11. TOXICOLOGICAL INFORMATION

#### POTENTIAL HEALTH EFFECTS

**Inhalation:** Dust may be irritating.  
**Skin contact:** Normally non-hazardous  
**Eye contact:** May cause mild irritation and burn.  
**Ingestion:** Low toxicity.  
Ingestion of large quantities may cause nitrate poisoning.  
**Other:** 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.  
,  
**Chronic:**

#### TOXICOLOGY

**Acute:**  
**Oral Toxicity:** Unknown  
**Dermal Toxicity:** Unknown  
**Inhalation Toxicity:** Dust may be irritating  
**Skin Irritation:** Normally non-hazardous  
**Eye Irritation:** May cause mild irritation and burn  
**Sensitisation:** No data  
**Chronic:**

### 12. ECOLOGICAL INFORMATION

**Environmental Fate:** No data  
**Mobility:** No data  
**Persistence / Degradation:** No data  
**Ecotoxicological Information:** Do not contaminate stream and water supplies.



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### 13. DISPOSAL CONSIDERATIONS

**Disposal of Waste Method:** Dispose of in non-crop far from water supplies or in an approved landfill in accordance state, federal and local regulations.

**Contaminated Packaging:** Empty containers should be triple rinsed before burying in approved landfill. Dispose of only in accord with local regulations.

### 14. TRANSPORT INFORMATION

\*according to DOT regulations

**UN Number:** 2071

**Proper Shipping Name:** NPK Fertilizer

**Class and Subsidiary Risk:** 9

**Packing Group:** Not available

**EPG:** Not available

**Hazchem Code:** Not available

### 15. REGULATORY INFORMATION

**SUSDP:** Not available

**APVMA:** Does not require registration with APVMA

**State Departments of Agriculture / Primary Industries:** Not available

**Australian Inventory of Chemical Substances (AICS):** Not available

### 16. OTHER INFORMATION

**Trademark Information:**

**Preparation Information:** Prepared by Campbells Fertilisers Australasia

**Data Sources:** Supplier MSDS

END OF MSDS