

Safety Data Sheet



Advanced Nutrients Pty Ltd

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This product has been assessed and has not been classified as either a hazardous substance or dangerous goods according to the:

- NOHSC Approved criteria for classifying Hazardous substances [NOHSC(1008:2004)]
- Australian Code for the Transport of Dangerous goods by Road and Rail

1. IDENTIFICATION OF THE MATERIAL AND MANUFACTURER

| | |
|----------------------------|--|
| Product Name: | BLACK UREA® |
| Intended Use: | Soil Fertiliser. |
| Details of Company: | Advanced Nutrients Pty Ltd 27 Westbourne Drive Wights Mountain Qld Ph: 1800 244 009 |
| Emergency Contact: | +61 427 908 329 |
| D.G. CLASS: | N/A |
| SUBSIDIARY RISK: | NONE |
| HAZCHEM CODE: | N/A |
| PACKAGING GROUP: | N/A |
| POISONS SCHEDULE: | N/A |

2. HAZARDS IDENTIFICATION

NON HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health hazard within the meaning of the chemicals (Hazard Information & Packaging) Regulations 1993.

Substance Name: None presenting a hazard

4. FIRST AID MEASURES

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HEALTH EFFECTS

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|------------|---|
| SWALLOWED: | Ingestion may cause diarrhea, nausea, vomiting and cramps. Irritation to mouth and throat. |
| EYE: | An irritant to eyes. |
| SKIN: | Mildly irritating to skin. |
| INHALED: | Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. |

FIRST AID

| | |
|------------|---|
| SWALLOWED: | If Symptoms occur seek medical attention or contact the Poisons Information Centre on 13 11 26. Do NOT induce vomiting. |
| EYE: | Flush gently with running water for 15 minutes |
| SKIN: | Wash with soap and water. Seek medical attention if irritation occurs |
| INHALED: | If inhaled, remove from contaminated area. If irritation persists, seek medical attention. |

5. FIRE FIGHTING MEASURES

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|--------------------------|---|
| FLAMMABILITY: | Non flammable. May evolve toxic gases when heated to decomposition. |
| FIRE / EXPLOSION HAZARD: | Evacuate area and contact emergency services. Toxic Gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including self contained breathing apparatus when combating fire. Use water fog to cool intact containers and nearby storage areas. |

6. ACCIDENTAL RELEASE MEASURES

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| SPILLS AND DISPOSAL: | If spilt, use personal protective equipment (dust proof goggles, PVC/rubber gloves and a class 1 respirator). Ventilate area where possible. Contain spillage then collect and place in suitable containers for disposal. Avoid generating dust. |
|----------------------|--|

7. HANDLING AND STORAGE

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|----------------------|--|
| VENTILATION: | Ensure ventilation is adequate to maintain air concentrations below exposure standards and as low as is reasonably practicable. While good natural ventilation may be adequate in most cases, local exhaust ventilation may be required. |
| PERSONAL PROTECTION: | Protective equipment must be worn: PVC gloves, waterproof apron, safety boots and a full-face shield. Avoid breathing dust or vapours. |
| FLAMMABILITY: | The product poses no flammability hazard. |

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STORAGE AND TRANSPORT: Store in cool dry place in tightly sealed containers. Ensure containers are labeled adequately and are protected from physical damage and in a well ventilated area. When stored in a confined unventilated space, this product can give off ammonia or odour and lead to the depletion of oxygen within this space and other confined spaces. Do not allow to come into contact with water, regardless of rain, condensation or surface water. If product is bagged, these bags should be stored uncovered and out of direct sunlight. 1000kg bags should not be stacked more than two high as pressure promotes caking. Store away from farm chemicals eg. Insecticides, fungicides and herbicides. Store above 4°C as higher freezing may reduce the effectiveness of the product.

OTHER INFORMATION: Avoid contact with inter halogens, strong Acids, strong oxidising agents (may decompose) and metals (is corrosive to most).

KEEP OUT OF REACH OF CHILDREN

The information contained in this SDS is specific to the product when handled and used neat. This product when diluted may be classified as non-hazardous and may not require the same control measures as the neat product. Check with your technical representative if in doubt.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Ensure ventilation is adequate to maintain air concentrations below exposure standards and as low as is reasonably practicable. While good natural ventilation may be adequate in most cases, local exhaust ventilation may be required.

PERSONAL PROTECTION: Protective equipment must be worn: PVC gloves, waterproof apron, safety boots and a full-face shield. Avoid breathing dust or vapours.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT DESCRIPTION / PROPERTIES

APPEARANCE: Dark Brown Granules
MELTING POINT: 133°C
SOLUBILITY (WATER): 1050 g/L @ 20°C
EXPOSURE STANDARD: 10mg/m³ Nuisance dust
SPECIFIC GRAVITY: 1.33
BULK DENSITY: 700-780 kg/m³
FLASH POINT: No information available
FLAMMABILITY LIMITS: No information available
AUTOIGNITION TEMPERATURE: >133°C
PH (NEAT): 9.1 (10% Solution)
ODOUR: Odourless

10. STABILITY AND REACTIVITY

REACTIVITY: No Known Reaction to Occur.

Conditions to Avoid: Caustics and strong acids will affect the quality and condition of the product. Avoid heat, sparks, open flames and other ignition sources.

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11. TOXICOLOGICAL INFORMATION

This product is generally considered to be of low toxicity. Use safe work practices. Urea can be toxic to livestock, pets and wildlife. As little as 0.25 g/kg live weight can kill cattle not previously adapted to it. Should livestock poisoning occur, vinegar (acetic acid) needs to be administered at quite high dose rates (as a guide, 2-4 litres for cattle) repeat if necessary. Treatment must be quick, as death from urea poisoning occurs within 2 hours of ingestion. If symptoms such as shivering, excessive salivation, rapid breathing, unstable gait, bellowing and bloating occur with cattle, it is too late to treat.

Substance Name: None presenting a hazard

12. ECOLOGICAL INFORMATION

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

Substance Name: None presenting a hazard

13. DISPOSAL CONSIDERATIONS

DISPOSAL: Suitable for landfill

ALWAYS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

14. TRANSPORT INFORMATION

TRANSPORT: This is a non-dangerous good.

15. REGULATORY INFORMATION

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16. OTHER INFORMATION

SDS Creation Date: 08/10/2019

Issue Number: 004

Customer Service: 1800 244 009

(This Issue Number replaces all previous issues)

Australian Poisons Info Centre: 13 11 26

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written instructions. As specific conditions of use of the product are outside of the suppliers' control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. The information in this Safety Data Sheet is based on the present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as a guarantee of technical performance or suitability for particular applications. This SDS will be revised and updated as requirements occur. Should further information and relevant advice be required, contact Advanced Nutrients Pty Ltd.