



MATERIAL SAFETY DATA SHEET

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(1994)]
- Australian Code for the Transport of Dangerous goods by Road and Rail

1. Identification of Product & Company:

Product Name: Safe Coated Urea
Intended Use: Soil Fertiliser. NOT to be used as livestock supplement
Details of Company: Safe Fertilisers Pty Ltd
 Lot 66 Chum st
 Dinmore Qld 4303

2. 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 CAS: 57-13-6 98%

Synonym(s) Amide of Carbonic acid, Carbamide, Carbamimidic Acid, Carbonyl Diamide, Carbonyl Diamine, Isourea

Ingredient: Urea **Formula:** (nh₂)₂co **Conc:** 100% **CAS No.** 57-13-6

3. Hazardous Identification:

Danger Classification: None **Risk Phrases:** None **" P " Phrases:** None

4. First Aid Measures...

| | | | |
|----------------------|---------------------|------------------------|--|
| General | Wash well after use | On Eye Contact | Wash with copious amounts of water |
| On Inhalation | None | On Skin Contact | Wash with soap and water |
| | | On Ingestion | If Symptoms occur seek medical attention |

5. Firefighting: **Special Instructions:** None **Recommended:** None **Not to be used:** None

6. Accidental Release Measures: If spilled, flush away with copious amounts of water

7. Storage & Handling: General Work Practices. Loose Bulk Product.

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 confined area, 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. If product is bagged, these bags should be stored undercover and away from direct sunlight

8. Exposure Controls/ Personal Protection:

General Protection: Good industry practices of hygiene and care. **Respiratory, Hand, Eye, Skin:** None

9. Physical and Chemical Properties:

Physical State: Prilled Brown Granules
Flash Point: None
Viscosity: None
pH: 9.1 (10% Solution)

Specific Gravity: 1.33
Bulk Density: 700-780 Kg/m³
Autoignition Temp: >133°C
Melting Point: 133°C

Lower Explosion Limit: None
Vapor Density: None

10. Stability & 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

11. Toxicological Information:

This product is generally considered to be low toxicity. Use safe work practices. Urea can be toxic to livestock, pets and wildlife. As little as 0.25g/kg live weight can kill cattle not previously adapted to it. Should livestock poisoning occur, vinegar (acetic acid) needs to administered at quite high dose rates (as a guide, 2-4lt 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's too late to treat.

12. Ecological Information:

Avoid contaminating waterways. Fertilisers, particularly those containing nitrogen and /or phosphorous, can stimulate weak 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 and livestock consumption.

13. Disposal Considerations: Suitable for landfill-

Dispose of in accordance with relevant local legislation

14. Transport Information:

In accordance with national and local laws and practices

Domestic Road/Rail: Unrestricted

Sea and Air: Unrestricted

International Road/Rail: Unrestricted

15. Regulatory Information:

The product is classified and labeled for supply in accordance with the chemicals (hazard information and packaging) regulations as follows:

Danger Classifications: In accordance with the chemicals (hazard information and packaging) Not Applicable

Risk Phrases: None

Safety Phrases: Keep out of reach of children. Keep container closed

The information contained in this Safety Data Sheet does not constitute the users own assessment of the workplace risks as required by other health and safety legislation

16. Other information:

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 base 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 M.S.D.S. will be revised and updated as requirements occur. Should further information and relevant advice be required, contact Safe Fertilisers Pty Ltd.