

**1. Identification**


Product Code 1110735

Product Name **UREA pure**

Molecular Formula **NH<sub>2</sub>CONH<sub>2</sub> =60.06**

CAS Number 57-13-60

Supplier: **CAMLAB LIMITED**



**Norman Way Industrial Estate  
Over  
Cambridge  
England  
CB4 5WE**

Phone 01954 233110

Fax 01954 233101

Emergency Telephone 08:00-17:00 01954 233110  
24hr 112  
(Have this document to hand)

**2. Composition**

No hazardous components

**3. Hazards Identification**

Not considered harmful

**4. First Aid Measures**

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

**5. Fire Fighting Measures**

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

**6. Accidental Release Measures**

Personal Protection Avoid breathing dust. Use approved personal protective equipment. Evacuate area immediately. Do not allow general use of area until it is safe to do so.

Enviromental Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

## 6. Accidental Release Measures (continued)

Major Spillage	Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

## 7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.
Storage Conditions	Well ventilated, cool, dry storage .

## 8.1 Workplace Exposure Limits

No prescribed exposure limits available

## 8.2 Personal Protection

Respiratory	If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

## 9. Physical & Chemical Properties

Appearance	White solid prills (spherical pellets).
Odour	Slight ammoniacal odour.
pH	7 (10% solution)
Boiling point	Not available
Melting point	132.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	1.3230 °C
Water Solubility	Very soluble in water.

## 10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	No specific conditions.
Materials to Avoid	May react with hypochlorites to form nitrogen trichloride which explodes spontaneously in air.
Hazardous Decomposition Products	Decomposes to emit ammonia, carbon dioxide and related products.

## 11. Toxicological Information

Eyes	Contact with the solid or dust may be irritating to the eyes.
Skin	Unlikely to be an irritant on brief or occasional exposure.
LD50 Skin	Not available
Ingest	Ingestion of large amounts may produce gastrointestinal irritation.
LD50 Ingest	Not available

## 11. Toxicological Information (continued)

Inhalation	Inhalation of dust will produce irritation of the eyes, nose, throat and respiratory tract.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

## 12. Ecological

No specific environmental hazard.

## 13. Disposal Considerations

Disposal Methods	Flush to drain.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

## 14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Transport Category	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

## 15. Regulatory Information

Labelling	None
Classification	
Label Symbols	None
Risk & safety Phrases	None
EEC Number	200-315-5

## 16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC.  The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.  Revision Date: 10/04/96. Data reviewed and PDF file generated: 17/03/10. Copyright 2010 Camlab Limited.
----------------------	---