

**SAFETY DATA SHEET****UREA (ALL GRADES)****mure001****1. Identification of the substance/preparation and of the company/undertaking**

<b>Product name</b>	: UREA (ALL GRADES)	<b>Supplier</b>	:	<b>Please note: This is the MSDS provided by the supplier of these goods to FIBRECRAFTS. FIBRECRAFTS does not have the qualifications necessary to gather such specialised data. Tel: 01483 565800</b>
<b>Chemical product name</b>	: UREA (ALL GRADES)			
<b>Synonyms</b>	: UREA (ALL GRADES)			
<b>EMERGENCY ONLY TELEPHONE NUMBER</b>	: (N.C.E.C. CULHAM) 01865 407333	<b>Telephone No.</b>	:	
		<b>Fax No.</b>	:	
<b>Formula</b>	: (NH <sub>2</sub> ) <sub>2</sub> CO	<b>Molecular Mass</b>	:	60.6

**2. Composition/information on ingredients****Substance/Preparation** : Substance

Chemical name*	CAS No.	%	EC Number	Symbol	R-Phrases
1) UREA (ALL GRADES)	57-13-6	100	200-315-5	-	-

\* Occupational Exposure Limit(s), if available, are listed in Section 8

**CAS No.** 57-13-6  
**EINECS Number** 200-315-5

**3. Hazards identification****Human health hazards** : Not classified as hazardous.**4. First-aid measures**First-Aid measures

- Inhalation** : Remove from exposure. Keep warm and at rest. If there is difficulty in breathing, give oxygen. Obtain medical attention urgently.
- Ingestion** : Wash out mouth with water. Obtain medical attention.
- Skin contact** : Wash skin with water. Remove contaminated clothing as washing proceeds. Obtain medical attention if blistering occurs or redness persists.
- Eye Contact** : Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention urgently.

Effects and symptoms

- Inhalation** : Exposure to dust may have the following effects:- irritation of nose, throat and respiratory tract.
- Skin contact** : Material may cause slight irritation on prolonged or repeated contact.
- Eye Contact** : Dust may cause slight transient irritation.

**5. Fire-fighting measures**Extinguishing Media

- Suitable** : Select extinguishing agent appropriate to other materials involved.
- Unusual fire/explosion Hazards** : Hazardous Combustion Products : NITROGEN OXIDES , AMMONIA  
 This product may give rise to hazardous fumes in a fire.
- Hazardous thermal (de)composition products** : Melting may release: ammonia, oxides of nitrogen, isocyanates.
- Special fire-fighting procedures** : Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.
- Protection of fire-fighters** : Wear full protective clothing and self-contained breathing apparatus.

## 6. Accidental release measures

- Personal Precautions** : Wear appropriate protective clothing. Wear respiratory protection.
- Environmental precautions and cleanup methods** : Sweep up into suitable containers for recovery or disposal. Finally flush area with plenty of water.
- : Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

## 7. Handling and storage

- Handling** : Use in well ventilated area. Avoid inhaling dust. Avoid contact with eyes, skin and clothing.
- Storage** : Storage area should be: cool. dry. well ventilated. The product is stored in multi-ply polyethylene paper sacks or polyethylene lined drums. The height of stacking sacks should be the minimum practicable.
- Packaging materials**
- Recommended use** : Use original container.

## 8. Exposure controls/personal protection

- Engineering measures** : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Hygiene measures** : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- Workplace Exposure Limits** : Not available.
- Personal protective equipment**
- Respiratory system** : Dust respirator if conditions are dusty.
- Skin and body** : Wear: dust-proof overall with hood. rubber boots.
- Hands** : PVC or rubber gloves.
- Eyes** : Chemical goggles.

## 9. Physical and chemical properties

- Physical state** : Solid. Crystals. Powder.
- Colour** : White.
- Odour** : Odourless.
- Boiling point** : Decomposes
- Melting point** : 133 (decomposes)
- Density** : Not available.
- Solubility** : Easily soluble in cold water.
- pH** : 8.0-9.5 (10% solution)
- Flash point** : Not available.

## 10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to Avoid** : Exposure to water or moisture.
- Materials to avoid** : Oxidising agents. Hypochlorite. Chlorinating agents.
- Hazardous decomposition products** : Melting may release: ammonia. oxides of nitrogen. isocyanates.

## 11. Toxicological information

### Local effects

- Skin irritation** : A single 4h semi-occlusive application to intact rabbit skin produced minimal signs of irritation (mean scores for erythema or oedema less than 2).
- Eye irritation** : Single application to the rabbit eye produced conjunctival irritation and transient corneal damage (stippling/minor epithelial damage).
- Acute toxicity** : Oral LD50 (rat) is greater than 2000mg/kg  
Dermal LD50 (rabbit) 3300mg/kg.

## 12. Ecological information

**Ecotoxicity** : The product is rated as practically non-toxic to aquatic species.

## 13. Disposal considerations

**Methods of disposal ; Waste of residues ; Contaminated packaging** : Dispose of in accordance with all applicable local and national regulations.

**Waste Classification** : Not applicable.

## 14. Transport information

### International transport regulations

**UN** : **UN number** Non hazardous for transport.

**IATA** : **Additional Information** -

## 15. Regulatory information

### EU Regulations

**Risk Phrases** : This product is not classified according to the EU regulations.

**Product Use** : Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.  
- Consumer applications.

## 16. Other information

### HISTORY

*(Please note that dates are in American format [month/day/year])*

**Date of printing** : 31/05/2005.

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**Version** : 2

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### Notice to Reader

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*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*