

Section 1: Identification

Common Name/Trade Name	UREA	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	Carbamide Carbonyldiamide	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Not a hazardous substance or mixture.
Signal Word	None
Hazard Statement(s)	N/A
Pictogram(s)	N/A
Precautionary Statement(s)	N/A
Hazards Not Otherwise Classified	No data available
Ingredient(s) with Unknown Toxicity	No data available

Section 3: Composition/Information on Ingredients

Chemical Name	Carbamide Carbonyldiamide
Common Name	Urea
CAS Number	57-13-6
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	No data available.
If Inhaled	Remove from exposure to fresh air immediately. If not breathing give artificial respiration. Get medical aid.
In Case of Skin Contact	Immediately flush skin with plenty of soap and water.
In Case of Eye Contact	Immediately flush eyes with plenty of water.
If Swallowed	Do not induce vomiting unless instructed by medical personnel. Never give anything by mouth to an unconscious person. If person is conscious, wash mouth out with water. Get medical aid.
Most Important Symptoms and Effects	Refer to section 2 for precautionary statements if any are applicable. Indication of Immediate Medical Attention and Special Treatment: No information available.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide, or appropriate foam.
Special Hazards Arising From the Substance/Mixture	Carbon oxides, nitrogen oxides (NOx)
Special PPE and/or Precautions for Firefighters	May be combustible at high temperatures. As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Explosion will appear as fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Use proper personal protective equipment as indicated in Section 8. Avoid formation of dust. Avoid breathing any vapors, mist or gas.
Methods and Materials Used for Containment	Do not allow to enter drains.
Cleanup Procedures	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Use water spray to disperse the gas/vapor. Provide ventilation.

Section 7: Handling and Storage

Precautions for Safe Handling	Use with adequate ventilation. Avoid dust formation.
Conditions for Safe Storage	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Component: Urea CAS-No. 57-13-6 Value TWA Control parameters 10mg/m3 Basis USA. Workplace Environmental Exposure Levels (WEEL)
Appropriate Engineering Controls	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
PPE - Eye/Face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
PPE - Skin Protection	Wear appropriate protective gloves to prevent skin exposure. Wear impervious gloves. Nitrile rubber with layer thickness 0.11mm. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
PPE - Body Protection	Wear appropriate protective clothing to minimize contact with skin.
PPE - Respiratory Protection	Whenever protection from nuisance dust levels is wanted follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9: Physical and Chemical Properties

Appearance	Physical State: Solid
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Not available
Vapor Pressure	0.007 mm Hg @ 20°C.
Odor Threshold	No data available
Vapor Density	Not available
pH	7.2 (10% solution)
Relative Density	No data available
Melting Point/Freezing Point	132 - 135°C
Solubility	480 g/L at 20°C
Initial Boiling Point and Boiling Range	196°C
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	pKa: 0.1 @ 21°C
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	1.78 mPa·s 46% solution @ 20°C.

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Incompatible materials, excess heat.
Incompatible Materials	Avoid strong oxidizing agents.
Hazardous Decomposition Products	Other decomposition products- Not available. Hazardous Polymerization: Has not been reported.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral - rat - 8,471 mg/kg. Hazardous if swallowed.
Acute Toxicity - Inhalation	No data available. Hazardous if inhaled.
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	Causes eye irritation.
Skin Corrosion/Irritation	Causes skin irritation.
Serious Eye Damage/Irritation	Causes eye irritation.
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No information available
Carcinogenicity IARC	Not listed.
Carcinogenicity ACGIH	Not listed.
Carcinogenicity NTP	Not listed.
Carcinogenicity OSHA	Not listed.
Reproductive Toxicity	No information available. Prolonged or repeated exposure may cause adverse reproductive effects.
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	Prolonged or repeated exposure may cause adverse reproductive effects.
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Toxicity to fish LC50 - <i>Poecilia reticulata</i> (guppy) - 17,500 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates EC50 - <i>Daphnia magna</i> (Water flea) - 3,910 mg/l - 48 h
Persistence and Degradability	No information available
Bio-accumulative Potential	No information available
Mobility in Soil	No information available
Other Adverse Effects	No information available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose of in a manner consistent with federal, state, and local regulations.
Waste Treatment Methods Packaging	No data available
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

EHS Chemical Specific Regulations. SARA Section 302: Not Available. Section 313: Not Available. SARA 311/312 Hazards: No SARA hazards. STATE: Massachusetts Right-To-Know Components: No components are subject to the Massachusetts Right-To-Know Act. Pennsylvania Right-To-Know Components: Urea CAS# 57-13-6. New Jersey Right-To-Know Components: Urea CAS # 57-13-6. California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

Additional Information	NFPA Rating. Health hazard 0, Fire Hazard 0, Reactivity Hazard 0.
Prepared By	Scarlotte Smith
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