

USABlueBook

3781 Bur Wood Dr., Waukegan, IL 60085 (847-689-3000)

Emergency Telephone No.: 800-535-5053

Section 1 – Chemical Product and Company Identification

Catalog Numbers: 29887

Product Identity: Urea

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331

Emergency Contact Number (24hr): InfoTrac (800) 535-5053

Section 2 – Composition, Information on Ingredients

Urea, CAS# 57-13-6, ACGIH TLV: NA, OSHA PEL: NA

Section 3 – Hazard Identification

Emergency Overview: May cause eye, skin, respiratory irritation.

Target Organs: None known

Potential Health Effects

Eyes: May cause irritation, redness, pain

Skin: May cause irritation, redness, and pain.

Ingestion: May cause gastrointestinal irritation, vomiting, nausea, cardiac disturbances, diarrhea.

Inhalation: May cause respiratory irritation.

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Section 4 – First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.

Ingestion: DO NOT induce vomiting. Dilute with water or milk. Get medical assistance.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Section 5 – Fire Fighting Measures

Flash Point: NA

Extinguishing Media: Use water, carbon dioxide, chemical foam, or dry chemical.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 – Accidental Release Measures

Ventilate area of spill. Pick up and place in suitable container for disposal. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.

Storage: Keep container tightly closed. Protect from freezing and physical damage.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls: Normal ventilation is adequate.

Respiratory Controls: Normal ventilation is adequate.

Skin Protection: Chemical resistant gloves.

Eye Protection: Safety Glasses or goggles.

Section 9 – Physical and Chemical Properties

Appearance: white powder

pH: NA

Boiling Point: Decomposes

Melting Point: 131-135 C

Odor: Ammonia-like

Solubility in Water: Soluble

Specific Gravity: 1.335

Vapor Pressure: NA

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: Calcium hypochlorite, sodium hypochlorite, sodium nitrate, strong oxidizing agents, liquid chlorine, chromyl chloride, nitrates, permanganates, dichromates, nitrosyl perchlorate

Hazardous Decomposition Products: ammonia, oxides of: sulfur, carbon, and nitrogen

Hazardous Polymerization: Does not occur

Section 11 – Toxicological Information

LD50 orl-rat: 8471mg/kg

LC50 inhalation-rat: NA

Section 12 – Ecological Information

Ecotoxicity: Urea can degrade by biotic hydrolysis. Abiotic hydrolysis of urea occurs at a slower rate to biotic hydrolysis.

Section 13 – Disposal Considerations

Place in separate container for disposal.

All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste.

Comply with all local, state, and federal regulations.

Section 14 – Transport Information

DOT - Not Regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.

TSCA: The components of this solution are listed on the TSCA Inventory

SARA Title III Section 313: Not Applicable

RCRA Status: Not Applicable

CERCLA Reportable Quantity: NA

WHMIS: D2B, D2A

Section 16 – Additional Information

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