

Material Safety Data Sheet

Product and Manufacturer Information

Name: **25 N**

Synonyms: 25-0-0 25% SRN, urea, methylene diurea, methylene urea solution, reacted nitrogen fertilizer, etc

Manufactured for: Rosen's, Inc. 1120 Lake Avenue, Fairmont, MN 56031

For Transportation Emergencies call Chemtrec at 800-424-9300

For Other Emergencies call 911 and/or Appropriate Regulatory Agencies

Date of Preparation: 17 June 2011

Composition / Information on Ingredients

<u>Component</u>	<u>CAS #</u>	<u>%(w/w)</u>
Urea	57-13-6	32%
Urea-formaldehyde polymer	9011-05-6	

Health Hazard Identification

Skin Contact: Not considered an irritant

Eye Contact: Not considered an irritant, but repeated or prolonged exposure may result in symptoms.

Respiration: Not considered an irritant, but repeated or prolonged exposure may result in coughing, shortness of breath, nausea, headaches, or dizziness.

Ingestion: Not considered a probable route of entry.

First Aid Measures

Skin Contact: Rinse thoroughly with soap and water. Seek medical attention if irritation persists.

Eye Contact: Rinse thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

Respiration: Remove to fresh air and seek medical attention.

Ingestion: Seek medical attention.

Fire Fighting Measures

Flash point: >200F

Extinguishing Materials: All standard agents are acceptable.

Special Hazards and Precautions: irritating fumes may be evolved at elevated temperatures.

Accidental Release Measures

Do not allow to enter drains waterways, etc. Contain large spills by diking with soil or other material. Small spills may be covered with an absorbent material. Do not dilute with water or use water to flush material to another location. For uncontrolled or major releases, response by trained personnel using preplanned procedures is recommended. Refer to Exposure Controls / Personal protection to determine proper PPE. Consult applicable regulatory agencies for spill reporting and disposal.

Material Safety Data Sheet

Handling and Storage

Standard conditions are generally acceptable. Long term storage may result in settling of solids, formation of crystals, and/or insoluble polymers. Avoid storage or transfer using copper bearing, zinc-clad, or aluminum vessels or equipment.

Exposure Controls / Personal Protection

Skin exposure should be kept minimal by wearing gloves, long pants, and long sleeved shirts. If splashing may occur, wear protective goggles. Ingestion and respiration of the material are unusual occurrences under typical conditions of use.

Physical and Chemical Properties

Appearance: clear , colorless liquid, with a viscosity noticeably greater than water

Odor: slight amine

pH: >8; 10 is typical

Freezing Point: <20F

Boiling Point: ~215F

Solubility in Water: complete

Density: 10.5 lbs/gal (1.26g/ml)

Stability and Reactivity

This product is stable under normal use and storage conditions. This product is not a reactivity or polymerization hazard. It will form insoluble polymers if stored for long periods or at lowered pH.

Toxicological Information

This material is not known to be a toxicity hazard to animals or humans. Chronic exposure to formaldehyde, that may be present in this material, has been linked to cancer, but at exposure levels far greater than those attainable through this product.

Ecological Information

Ecotoxicity for this product is low. It contains Nitrogen based plant nutrients. It incorporates into biological processes. A portion of the Nitrogen has been shown to break down in the soil to available Nitrogen forms over several months.

Disposal Considerations

This material is not defined as a hazardous waste by the U.S.E.P.A. Dispose of this material as recommended by federal, state, and local regulations.

Transport Information

This material is not regulated as a hazardous material by the U.S.D.O.T. Use normal transportation safety precautions.

Regulatory Information

Material Safety Data Sheet

SARA Title III Hazard Class: acute

CERCLA Reportable Quantity: not applicable.

TSCA: not regulated

RCRA Hazardous Waste Classification: not regulated

Disclaimer

This information is accurate to the best of our knowledge, and is furnished without warranty of any kind. Users should determine the suitability of this material for its intended purpose. The user assumes all risks associated with the use of this product.