

Product and Manufacturer Information

Name: **UF-38**

Synonyms: 38-0-0 Slow Release Fertilizer, Ureaform, 38% SRN

Recommended Use: Turfgrass or Agricultural fertilizer

Manufacturer: UF Granular Fertilizers, LLC; P.O. Box 26, Morral OH 43337. Phone: 740-465-3251

For Transportation Emergencies call Chemtrec at 800-424-9300

For Other Emergencies call 911 and/or Appropriate Regulatory Agencies

Hazard Identification

GHS Classification: none

This material does not present any unusual hazards under ordinary conditions. Use general precautions when handling, transporting, and storing this material.

Composition / Information on Ingredients

<u>Component</u>	<u>CAS #</u>	<u>% (w/w)</u>
Urea	57-13-6	15-20
Ureaform	9011-05-6	80-85
Water		<10%

First Aid Measures

Skin Contact: The material may be especially irritating to cuts, abrasions, and open wounds. If exposure occurs, rinse the affected area thoroughly with water. Treat other irritated areas by washing with soap and water.

Eye Contact: Minor irritation is likely if exposure occurs. Rinse eyes thoroughly with water for 15 minutes. Remove contacts if necessary. Seek medical attention if irritation persists.

Respiration: Remove to fresh air and seek medical attention. Inhalation of any liquid or mist may result in breathing difficulty.

Ingestion: Swallowing large amounts may result in vomiting, diarrhea, cramps, and other gastrointestinal disturbances. Dilute stomach contents with water. Seek medical attention.

Fire Fighting Measures

Flash point: n/a

Extinguishing Materials: All standard agents are acceptable to fight surrounding fires. Material itself is non-flammable.

Special Hazards and Precautions: fumes of ammonia and formaldehyde may be evolved at elevated temperatures.

Accidental Release Measures

Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal. For 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.

Handling and Storage

Standard conditions are generally acceptable. Keep from humidity to avoid product caking/clumping. Material is moderately corrosive to metals.

Exposure Controls / Personal Protection

Skin exposure should be kept minimal by wearing gloves, long pants, and long sleeved shirts. If handling conditions cause powder to disperse, wear goggles and a dust mask for eye and respiratory protection.

Physical and Chemical Properties

Appearance: Blue, Brown or Gray, irregularly shaped granules

Odor: may have a faint ammonia odor

Solubility in Water: moderate

Bulk Density: about 42-48 lbs/ft³

Stability and Reactivity

This product is stable under normal use and storage conditions. This product is not a reactivity or polymerization hazard. Although the material itself is not reactive, it is produced under acidic conditions and any high moisture conditions may promote reactions with nitrates.

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 plant nutrients. It incorporates into biological processes.

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

SARA Title III Hazard Class: not considered a hazard

CERCLA Reportable Quantity: not applicable.

TSCA: a component of this material, Ureaform, CAS# 9011-05-6, is listed

RCRA Hazardous Waste Classification: not regulated

Additional Information

Revision 3, prepared 16 October 2018

This data 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.