



# Safety Data Sheet

Report Date 16-May-15

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## 1. Identification

**Product Name** : CORON 14-2-14 TURF AND HORTICULTURAL FERTILIZER (CODE 60)  
**Synonyms** : None  
**Product Use** : Controlled Release Turf/Horticultural Fertilizer  
**Manufacturer/Supplier** : Helena Chemical Company  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

## 2. Hazard Identification



**Signal Word** : Warning  
**Skin Irritation** : Causes mild skin irritation  
**Eye Irritation** : Causes serious eye irritation  
**Acute Toxicity Oral** : May be harmful if swallowed  
**Acute Toxicity Dermal** : May be harmful in contact with skin

**Hazard Categories** : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2A; Skin Irritation - 3

**Hazard Statement** : May be harmful if swallowed  
May be harmful in contact with skin  
Causes serious eye irritation  
Causes mild skin irritation  
May be harmful if inhaled

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of plant nutrients derived from urea, polymethylene urea, methylene diurea, monomethylol urea, potassium carbonate and dipotassium phosphate. GUARANTEED ANALYSIS: Total Nitrogen (N): 14.00% 5.6% Urea Nitrogen 8.4% Water Soluble Nitrogen Available Phosphate (P2O5): 2.00% Soluble Potash (K2O): 14.00%	Proprietary	100.00

## 4. First Aid Measures

**Eye** : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

**Skin** : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation** : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion** : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth if unconscious.



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**Indication of Immediate Medical Attention and Special Treatment Needed** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

### 5. Fire Fighting Measures

- Extinguishing Media** : Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : May generate toxic and irritating fumes under fire conditions.
- Special Fire Fight Proc** : Wear positive-pressure, self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with cartridge for ammonia gas if mist or spray is present. Emergency shower and eyewash should be available in work area.
- Emergency Procedures** : Contain spilled liquid. If uncontaminated, recover and place in suitable container for reuse.
- Methods and Materials for Containment and Cleanup** : If contaminated, absorb on clay or sand, then collect and place in suitable containers for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Keep container tightly closed. Do not contaminate water sources by cleaning of equipment or disposal of rinse water.
- Conditions for Safe Storage** : May be stored in unheated area but keep from freezing. Do not store with food, feed or other material to be used or consumed by humans or animals.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found for mixture.
- Appropriate Engineering Controls** : Local exhaust is sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with cartridge for ammonia gas if mist or spray is present. Emergency shower and eyewash should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear, dark brown liquid with mild ammonia odor.
- Flash Point, °F** : Non-combustible
- Boiling Point, °F** : >100 Degrees C.
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.340-1.350



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Evaporation Rate(Butyl Acetate = 1) : 0.03  
Octanol/Water Partition Coefficient : No information found  
pH : No information found  
Flammable Limits (approximate volume % in air) : Not applicable  
Auto-ignition Temperature : Not applicable  
Decomposition temperature : No information found

### 10. Stability and Reactivity

Reactivity : No information found  
Chemical Stability : Stable  
Hazardous Decomposition Products : Product may release ammonia and carbon dioxide under fire conditions.  
Hazardous Polymerization : Will not occur  
Conditions to Avoid : Avoid temperatures above 105 Degrees F. for prolonged periods of time.  
Incompatible Materials : Avoid mixing or intimate contact with strongly acidic materials.

### 11. Toxicological Information

Acute Toxicity (Oral LD50) : No data available. May be harmful if swallowed.  
Acute Toxicity (Dermal LD50) : No data available. May be harmful in contact with skin.  
Acute Toxicity Inhalation LC50 : No data available. May be harmful if inhaled.  
Likely Routes of Exposure : Skin and eyes  
Skin Irritation : Prolonged or repeated skin contact may cause irritation. Causes mild skin irritation.  
Eye Irritation : Eye contact with liquid or mist may cause irritation. Causes serious eye irritation.  
Skin Sensitization : No information found  
Carcinogenic : None currently known.  
Chronic Effects : None currently known.  
Other Hazards : None currently known.

### 12. Ecological Information

Ecotoxicity : No information found  
Persistence and Degradability : No information found  
Bioaccumulative Potential : No information found  
Mobility in Soil : No information found  
Other Adverse Effects : No information found

### 13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information

UN Proper Shipping Name : Not regulated by DOT.  
Transport Hazard Class : None



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**UN Identification Number** : None  
**Packaging Group** : None  
**Environmental Hazards** : No information found  
**Transport in Bulk** : No information found  
**Special Precautions for Transportation** : None  
**Freight Classification** : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

## 15. Regulatory Information

**National Fire Protection Association Rating** :

Health: 1      Fire: 0      Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

**S.A.R.A Title III Hazard Classification (Yes/No)** :

Immediate( Acute) Health: Y  
Delayed (Chronic) Health: N  
Sudden Release of Pressure: N  
Fire: N  
Reactive: N

## 16. Other Information

**Data of Preparation/Revision** : 16-May-2015