



# Safety Data Sheet

Report Date 18-Apr-15

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## 1. Identification

**Product Name** : CORON 12-0-12 (CODE 25)  
**Synonyms** : None  
**Product Use** : Foliar Controlled Release Nitrogen 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 methylene ureas, urea, and potassium thiosulfate.	Proprietary	100.00
GUARANTEED ANALYSIS:		
Total Nitrogen (N) - 12.00%		
Soluble Potash (K <sub>2</sub> O) - 12.00%		
Sulfur (S) - 8.00%		

## 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. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to 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** : Treat symptomatically.

### 5. Fire Fighting Measures

- Extinguishing Media** : Non-combustible product. Use extinguishing media appropriate for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : Product generates 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 ammonia cartridge if mist, spray or vapors are present. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Contain spill. Prevent spreading into soil or into water, drains or sewers.
- Methods and Materials for Containment and Cleanup** : If uncontaminated, recover and reuse product. If contaminated, absorb on sand or clay and place in chemical recovery drums 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.

### 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 ammonia cartridge if mist, spray or vapors are present. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear, green liquid with ammonia odor.
- Flash Point, °F** : Non-combustible
- Boiling Point, °F** : 102 Degrees C.
- Melting Point(Freezing point), °C** : 35 Degrees F.
- 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** : 1.290-1.310
- Evaporation Rate(Butyl Acetate = 1)** : Not determined



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**Octanol/Water Partition Coefficient** : No information found  
**pH** : 9.0-11.0  
**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 high temperatures above 105 Degrees F. for prolonged periods or greater acid contamination.  
**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, eyes, ingestion, inhalation  
**Skin Irritation** : Causes mild skin irritation with prolonged or repeated contact.  
**Eye Irritation** : Causes serious eye irritation with direct contact.  
**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, IATA or IMDG.  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None



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**Environmental Hazards** : No information found  
**Transport in Bulk** : None  
**Special Precautions for Transportation** : None  
**Freight Classification** : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN

## 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** : 18-April-2015