



# Safety Data Sheet

Report Date 21-Apr-15

Page 1 of 4

## 1. Identification

**Product Name** : CORON 12-0-12 (CODE 50) (T&O)  
**Synonyms** : None  
**Product Use** : Turf/Ornamental Foliar Controlled Release Nitrogen  
**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, Methylene Diurea, Methylene Ureas, and Potassium Carbonate. GUARANTEED ANALYSIS: Total Nitrogen (N): 12.00 Soluble Potash (K2O): 12.00%	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. Have person sip a glass of water if able to swallow. Do not induce vomiting. Do not give anything by mouth if unconscious.

**Indication of Immediate Medical Attention and Special Treatment Needed** : Treat symptomatically. Do not induce vomiting.



## Safety Data Sheet

Report Date 21-Apr-15

Page 2 of 4

### 5. Fire Fighting Measures

- Extinguishing Media** : Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire. If water is used, contain fire fighting water to prevent environmental contamination.
- Specific Hazards Arising from the Chemical** : Generates toxic and irritating fumes under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

### 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 for ammonia gas, if needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Contain spill. Prevent from spreading or contaminating any water sources, drains or sewers.
- Methods and Materials for Containment and Cleanup** : If uncontaminated, recover and reuse product. If contaminated, absorb with inert material, such as clay or sand, then collect and place in suitable containers for disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and 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 acidic materials.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- 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 for ammonia gas, if needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Light blue liquid with ammonia odor.
- Flash Point, °F** : Non-combustible
- Boiling Point, °F** : 102 Degrees C.
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : 50 mmHg at 21 Degrees C.
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.275-1.295
- Evaporation Rate(Butyl Acetate = 1)** : 0.03
- Octanol/Water Partition Coefficient** : No information found



## Safety Data Sheet

Report Date 21-Apr-15

Page 3 of 4

pH : 11.0-13.0  
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 : 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.  
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 : Eyes, skin, ingestion, inhalation  
Skin Irritation : Causes mild skin irritation.  
Eye Irritation : Causes serious eye irritation.  
Skin Sensitization : No information found  
Carcinogenic : Not listed by IARC, NTP or OSHA.  
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  
UN Identification Number : None  
Packaging Group : None  
Environmental Hazards : No information found  
Transport in Bulk : No information found



## Safety Data Sheet

Report Date 21-Apr-15

Page 4 of 4

**Special Precautions for Transportation** : No information found

**Freight Classification** : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

### 15. Regulatory Information

**National Fire Protection Association Rating** :

Health: 2 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** : 21-April-2015