



# Safety Data Sheet

Report Date 02-May-17

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## 1. Identification

**Product Name** : CORON 12-0-0 PLUS 5% B (CODE 50)  
**Synonyms** : None  
**Product Use** : Inorganic 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** : Prolonged or repeated contact may irritate slightly.  
**Eye Irritation** : Contact with liquid may irritate slightly. If mist is formed, it may also irritate eye slightly.  
**Acute Toxicity Oral** : Product not tested for acute oral toxicity.  
**Acute Toxicity Dermal** : Product not tested for acute dermal toxicity.  
**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 Borates, Urea, Methylene Ureas, and Methylene Diurea. GUARANTEED ANALYSIS: Total Nitrogen (N): 12.00% 6.00% Urea Nitrogen 6.00% Water Soluble Nitrogen Boron (B): 5.00%	Proprietary	100.00

## 4. First Aid Measures

**Eye** : Flush eyes with water for 15 minutes, holding eyelids open. Obtain medical attention if irritation develops.  
**Skin** : Wash skin thoroughly with soap and water. Get medical attention if irritation develops.  
**Inhalation** : Move to fresh air. Obtain medical attention if irritation develops.  
**Ingestion** : Drink large volumes of water and induce vomiting by placing finger at back of throat. Call a physician or poison control center.  
**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 and the clinical condition of the patient.



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### 5. Fire Fighting Measures

- Extinguishing Media** : Non-combustible product. Use extinguishing media for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : Product may release ammonia and carbon dioxide 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** : Avoid contact with skin and eyes.
- Protective Equipment** : NIOSH-approved respirator for ammonia gas if mist or spray is present, impervious gloves, splashproof goggles, impervious apron and footwear. Safety shower and eyewash should be available.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, ponds or drains with spilled product.
- Methods and Materials for Containment and Cleanup** : Contain spill. If uncontaminated, collect and reuse product. If contaminated, absorb on sand or clay and place in a recovery drum for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash water or spray waste. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metals.
- Conditions for Safe Storage** : Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Use within 6 months of purchase date. Store unblended in original containers.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : Not established
- Appropriate Engineering Controls** : Local exhaust should be sufficient.
- Personal Protective Equipment** : NIOSH-approved respirator for ammonia gas if mist or spray is present, impervious gloves, splashproof goggles, impervious apron and footwear. Safety shower and eyewash should be available.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear green liquid with slight ammonia odor.
- Flash Point, °F** : Not flammable
- Boiling Point, °F** : 102 Degrees C.
- Melting Point(Freezing point), °C** : 35 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : 50 mm/Hg @ 21 Deg. C.
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.255-1.280
- Evaporation Rate(Butyl Acetate = 1)** : 0.03
- Octanol/Water Partition Coefficient** : No information found
- pH** : 8.0-9.5



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**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., or greater acid contamination.  
**Incompatible Materials** : Avoid mixing or intimate contact with strongly acidic materials.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : Product not tested for acute oral toxicity.  
**Acute Toxicity (Dermal LD50)** : Product not tested for acute dermal toxicity.  
**Acute Toxicity Inhalation LC50** : Product not tested for acute inhalation toxicity.  
**Likely Routes of Exposure** : Skin, eyes, inhalation  
**Skin Irritation** : Prolonged or repeated contact may irritate slightly.  
**Eye Irritation** : Liquid contact may irritate slightly. If mist is formed, it may also irritate slightly.  
**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** : May promote eutrophication in waterways if large spills occur.

### 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  
**Environmental Hazards** : No information found  
**Transport in Bulk** : No information found  
**Special Precautions for Transportation** : No information found



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**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** : 02-May-2017