

# CORON 12-0-0 PLUS 5% B

Helena Chemical Company  
 PH: 901-761-0050  
 CHEMTREC: 800-424-9300  
 Effective Date: 01-MAY-2006  
 Product: CoRoN 12-0-0 Plus 5% B

## I. IDENTIFICATION

**Chemical Name:** Liquid Controlled Release Fertilizer  
**Chemical Family:** Inorganic Fertilizer  
**Formula:** Not applicable, formulated mixture.  
**Synonyms:** None  
**CAS Number:** Not applicable, formulated mixture.  
**EPA Number:** Not required

## II. PHYSICAL DATA

**Boiling Point:** 102 Degrees C.  
**Freezing Point:** 35 Degrees F.  
**Spec Gravity:** 1.251 gms/cc  
**Vapor Pressure:** 50 mm Hg @ 21 Deg. C.  
**Vapor Density:** Not applicable  
**Solubility:** 100%  
**Volatiles:** 40% @ 105 Deg. C.  
**Evaporation:** 0.03  
**Melting Point:** Not applicable  
**Appearance:** Clear green liquid with ammonia odor.

## III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary Blend of Plant Nutrients derived from Borates, Urea, Methylene Diurea, and Methylene Ureas.		100.00	5 mg/m3	Skin & eye irritant.
TYPICAL COMPOSITION:				
Total Nitrogen (N) - 12.0%				
6.00% Urea Nitrogen				
6.00% Water Soluble Nitrogen				
Total Boron (B) - 5.0%				

## IV. FIRE AND EXPLOSION HAZARD

**Flash Point:** Non-combustible  
**Autoignition Temp:** Not applicable  
**Flammable Limit:** Not applicable  
**Extinguishing Media:** Non-combustible product. Use extinguishing media for underlying cause of fire.  
**Special Fire Fight Proc:** Wear positive pressure self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.  
**Fire and Expl Hazard:** Product generates toxic and irritating fumes under fire conditions.

## V. HEALTH HAZARD

**Carcinogen Information:** None currently known.  
**ACUTE EFFECTS OF OVER EXPOSURE**  
**Swallowing:** Product not tested for acute toxicity. However, the individual components comprising the product are not considered acutely toxic.  
**Skin Absorption:** Product not tested for acute dermal toxicity.  
**Inhalation:** In the unlikely event that mist is formed, it may irritate the respiratory tract.  
**Skin contact:** Prolonged or repeated liquid contact may irritate slightly.  
**Eye Contact:** Liquid contact may irritate slightly. If mist is formed, it may also irritate slightly.  
**Chronic Effects:** None currently known.  
**Other Hazard:** None currently known.  
**EMERGENCY AND FIRST AID PROCEDURES**  
**Swallowing:** Drink large volumes of water (2 to 4 glasses) to dilute. Obtain medical attention immediately.  
**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.  
**Eyes:** Flush eyes with water for 15 minutes, holding eyelids open. Obtain medical attention if irritation develops.  
**Notes to Physician:** There is no specific antidote for this material. Treatment of overexposure should be

directed toward control of the symptoms and the clinical condition of the patient.

## VI. REACTIVITY

**Stability:** Stable  
**Conditions to Avoid:** Avoid high temperatures above 105 Deg. F for prolonged periods.  
**Polymerization:** Will Not Occur  
**Conditions to Avoid:** Temperatures above 125 Deg. F or greater acid contamination.  
**Incompatibility material:** Avoid mixing or intimate contact with strongly acidic materials.  
**Hazardous Combustion:** Product may release ammonia and carbon dioxide under fire conditions.

## VII. SPILL OR LEAK PROCEDURES

**Spill or Leak Proc:** Contain spill. If uncontaminated, recover and reuse product. If contaminated, absorb on sand or clay and place in a recovery drum for proper disposal.  
**Waste Disposal Method:** This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

## VIII. SPECIAL PROTECTION INFORMATION

**Respiration:** NIOSH cartridge type respirator approved for ammonia gas, if mist or spray is present.  
**Ventilation:** Local exhaust sufficient.  
**Gloves:** Impervious.  
**Eyes:** Splashproof goggles.  
**Other:** Emergency shower, eyewash station, impervious apron and footwear.

## IX. SPECIAL PRECAUTIONS

**Special precaution:** Keep out of reach of children. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, or ponds. Use within 6 months of date of purchase. Store unblended in closed container between 40 Degrees F and 90 Degrees F. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metals.  
**Other precaution:** Product may promote eutrophication in waterways if large spills occur. Each gallon of finished product contains 0.5 pounds of elemental boron (B) and 1.24 pounds of nitrogen (N).  
 A) 40 CFR Part 355, Extremely Hazardous Substances: None  
 B) 40 CFR Part 370, Hazardous Chemical Reporting: Applicable  
 C) 40 CFR Part 372, Toxic Chemicals: Not Listed

## X. SHIPPING INFORMATION

**Shipping name:** Not regulated by DOT, IATA, or IMDG.  
**Hazard Class:** None  
**Identification No:** None  
**Labels Required:** None Required  
**Placarding:** None Required  
**Freight Class:** Nitrogen Fertilizer Solution, N.O.I.

Chemical Name	Equivalent R.Q.
Not applicable	Not applicable

## XI. GENERAL PRODUCT INFORMATION

**National Fire Protection Association Rating:** (Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)  
**Health:** 1  
**Fire:** 0  
**Reactivity:** 0  
**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

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
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