

Material Safety Data Sheet

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

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water spray to keep fire-exposed containers cool.

Fire and Expl Hazard: Product generates toxic and irritating fumes under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

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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

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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.

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VI. REACTIVITY

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Stability: Stable  
Conditions to Avoid: Avoid high temperatures above 105 Deg. F for prolonged periods.

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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.

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VII. SPILL OR LEAK PROCEDURES  
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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.

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VIII. SPECIAL PROTECTION INFORMATION  
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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.

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IX. SPECIAL PRECAUTIONS  
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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).

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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  
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X. SHIPPING INFORMATION  
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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.  
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Not applicable Not applicable  
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XI. GENERAL PRODUCT INFORMATION  
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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

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