

Material Safety Data Sheet

Effective Date: 04-OCT-2005  
Product: CORON 12-0-12 (CODE 50) (T&O)

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: None required

II. PHYSICAL DATA

Boiling Point: 102 Degrees C.  
Freezing Point: 35 Degrees F.  
Spec Gravity: 1.275-1.295 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 urea, methylene diurea, potassium carbonate and methylene ureas.		100.00	5 mg/m3	Skin & eye irritant.

TYPICAL COMPOSITION:

Total Nitrogen (N): 12.00%  
Soluble Potash (K2O): 12.00%

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 suitable 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.

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Fire and Expl Hazard: Product generates toxic and irritating fumes  
under fire conditions.  
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V. HEALTH HAZARD  
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Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: Product not tested for acute oral 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 skin contact with liquid  
may irritate slightly.  
Eye Contact: Eye contact with liquid may irritate slightly.  
If mist is formed, it may also irritate eyes  
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 and induce  
vomiting by touching back of throat with  
finger. Call a physician or poison control  
center.  
Skin: Wash skin thoroughly with soap and water. If  
irritation develops, get medical attention.  
Inhalation: Move to fresh air. Obtain medical attention if  
irritation develops.  
Eyes: Flush eyes with water for at least 15 minutes,  
holding eyelids open. If irritation develops,  
get medical attention.  
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 Degrees F. for  
prolonged periods.

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Polymerization: Will Not Occur  
Conditions to Avoid: Avoid temperatures above 125 Degrees 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 from  
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 purchase. Store  
unblended in closed containers at temperature  
between 40 and 90 Degrees F. Avoid containers,  
piping or fitting made of copper-containing  
alloys or galvanized metals.  
Other precaution: Product may promote eutrophication in waterways  
if large spills occur.

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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  
Freight Class: Compound, Fertilizer (Manufactured Fertilizer),  
Liquid, NOIBN

Chemical Name	Equivalent R.Q.
----- 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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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
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