

Material Safety Data Sheet

Effective Date: 18-FEB-2002  
Product: CORON 18-0-12

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: >100 Degrees C.  
Freezing Point: <35 Degrees F.  
Spec Gravity: 1.389 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: Light blue liquid with slight ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Blend of Urea, Potassium Carbonate, and Controlled Release Nitrogen.		100.00	N/E	Skin & eye irritant

Typical Composition:

Total Nitrogen (N) = 18.00%  
Soluble Potash (K2O) = 12.00%

NOTE: N/E = Not Established

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible  
Autoignition Temp: Not applicable  
Flammable Limit: Not applicable  
Extinguishing Media: Non-combustible material. Use extinguishing media for underlying cause of fire.  
Special Fire Fight Proc: Wear positive pressure, self-contained breathing apparatus and full protective

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clothing. Use 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  
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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 if inhaled.  
Skin contact: Prolonged or repeated skin contact may  
irritate the skin slightly.  
Eye Contact: Liquid contact with the eyes may irritate  
slightly. If mist is formed, it may also  
irritate the 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 the back of the throat  
with the finger. If victim is unconscious, do  
not give anything by mouth or induce vomiting.  
Call a physician or poison control center for  
help.  
Skin: Wash skin thoroughly with soap and water. Get  
medical attention if irritation develops.  
Inhalation: Move victim to fresh air. If irritation  
develops, get medical attention.  
Eyes: Flush eyes with water for at least 15 minutes,  
holding eyelids open. Obtain medical attention  
if irritation persists.  
Notes to Physician: There is no specific antidote for this  
material. Treatment 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 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 with or intimate contact with strongly acidic materials.  
Hazardous Combustion: Product may release ammonia and carbon dioxide under fire conditions.

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VI. 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/MSHA-approved 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 purchase date. Store unblended in closed, original containers at temperatures between 40 and 90 Degrees F. Avoid containers, piping, or fittings made of copper-containing alloys or galvanized metals.  
Other precaution: Product may promote eutrophication of waterways if large spills occur.  
A) 40 CFR, Part 355 - Extremely Hazardous

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

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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