

Material Safety Data Sheet

Effective Date: 04-OCT-2005  
Product: CORON 14-2-14 PLUS MICROS (CODE 60)

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: >100 Degrees C.  
Freezing Point: <35 Degrees F.  
Spec Gravity: 1.350-1.357 gms/cc  
Vapor Pressure: Not determined  
Vapor Density: Not applicable  
Solubility: 100%  
Volatiles: 40% @ 105 Deg. C.  
Evaporation: 0.03  
Melting Point: Not applicable  
Appearance: Clear, green liquid with mild ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of plant nutrients derived from Urea, Methylene Diurea, Phosphoric Acid, Potassium Carbonate, Copper EDTA, Iron EDTA, Manganese EDTA, Zinc EDTA and Methylene Ureas. The chelating agent is EDTA.		100.00	5 mg/m3	Skin & eye irritant.

TYPICAL COMPOSITION:  
Total Nitrogen (N): 14.00%  
Avail Phosphate (P2O5): 2.00%  
Soluble Potash (K2O): 14.00%  
Micronutrients, including: Cu (0.05%), Fe (0.10%), Mn (0.05%), Zn (0.05%)

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible

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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.  
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 be irritating to the respiratory tract if inhaled.  
Skin contact: Prolonged or repeated skin contact with liquid may irritate slightly.  
Eye Contact: Liquid contact with 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 back of throat with finger. Call a physician or poison control center for further treatment advice.  
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 at least 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

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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 Degrees F. for  
prolonged periods.  
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 clay  
or sand 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 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 9 months of purchase. Store  
unblended in closed containers at temperatures  
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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 in waterways  
if large spills occur.

X. SHIPPING INFORMATION

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

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	

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