

Material Safety Data Sheet

Effective Date: 05-OCT-2005
Product: CORON 18-3-6 PLUS 0.5% FE (CODE 50)

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: 1.281 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: Black liquid with ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of Urea, Methylene Diurea, Methylene Ureas, Monopotassium Phosphate, Dipotassium Phosphate, Potassium Carbonate and Iron HEDTA.		100.00	5 mg/m3	Skin & eye irritant
Typical Composition:				
Nitrogen (N) - 18.00%				
Phosphate (P2O5) - 3.00%				
Potash (K2O) - 6.00%				
Iron (Fe) - 0.50%				

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.

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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 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 the skin slightly.
Eye Contact: Liquid contact may irritate the eyes slightly. If mist is formed, it may also slightly irritate the eyes.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Drink large volumes of water and induce vomiting by placing finger at back of throat. Call a physician or poison control center.
Skin: Wash skin thoroughly with soap and water. Get medical attention if irritation develops.
Inhalation: Move to fresh air. Obtain medical condition 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 product. Treatment of overexposure should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

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Stability: Stable
Conditions to Avoid: Avoid high 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.

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 nine months of purchase date. Store unblended in original, closed containers at temperatures between 35 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.

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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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