

CORON 12-0-12 (CODE 50) (T&O)

Helena Chemical Company

PH: 901-761-0050

CHEMTREC: 800-424-9300

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/m ³	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.

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 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

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.

VI. REACTIVITY

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 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.

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 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.

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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