

Material Safety Data Sheet

Effective Date: 10-JUL-2008
Product: CORON 22-3-3 (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: 1.244-1.264 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 slight ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of plant nutrients derived from Urea, Methylene Diurea, Methylene Ureas, and Potassium Polyphosphate.		100.00	5 mg/m3	Skin & eye irritant.

TYPICAL COMPOSITION:
Total Nitrogen (N): 22.00%
Avail Phosphate (P2O5): 3.00%
Soluble Potash (K2O): 3.00%

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

Material Safety Data Sheet

Effective Date: 10-JUL-2008
Product: CORON 22-3-3 (CODE 50) (T&O)

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 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

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 affected area with plenty of soap and water. If irritation develops, seek medical attention.
Inhalation: Move to fresh air. If irritation persists, seek medical attention.
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. In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

Material Safety Data Sheet

Effective Date: 10-JUL-2008
Product: CORON 22-3-3 (CODE 50) (T&O)

VI. REACTIVITY

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.

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 spray or mist 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 materials to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds with this material. Use within 6 months of purchase. Store unblended in original containers at temperatures between 40 and 90 Degrees F. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metals.

Material Safety Data Sheet

Effective Date: 10-JUL-2008
Product: CORON 22-3-3 (CODE 50) (T&O)

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

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
Helena Chemical Company believes that the data contained herein is factual.
This data is not to be taken as a warranty or representation of legal
responsibility. It is offered solely for your consideration, investigation
and verification.
