

Material Safety Data Sheet

Effective Date: 17-JAN-2013
Product: CORON 14-0-14 PLUS MICROS TURF AND HORT (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: <2 Degrees C.
Spec Gravity: 1.345 g/ml
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, methylene ureas, potassium carbonate, potassium chloride, copper EDTA, iron EDTA, manganese EDTA and zinc EDTA. The chelating agent is EDTA (ethylenediaminetetraacetic acid).		100.00	5 mg/m3	Skin & eye irritant.

GUARANTEED ANALYSIS:

Total Nitrogen (N): 14.00%
Soluble Potash (K2O): 14.00%
Copper (Cu): 0.05%
Iron (Fe): 0.10%
Manganese (Mn): 0.05%
Zinc (Zn): 0.05%

Material Safety Data Sheet

Effective Date: 17-JAN-2013

Product: CORON 14-0-14 PLUS MICROS TURF AND HORT (CODE 60)

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable
Flammable Limit: Not applicable
Extinguishing Media: Non-combustible liquid. 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: May generate toxic and irritating fumes under fire conditions.

V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: This mixture has not been tested for acute oral 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 be irritating to the respiratory tract if inhaled.
Skin contact: Prolonged or repeated skin contact with liquid may cause slight irritation.
Eye Contact: Liquid contact with the eyes may irritate slightly. If mist is formed, contact with eyes may also irritate 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 skin thoroughly with soap and water. Get medical attention if irritation develops.
Inhalation: Move to fresh air. Obtain medical attention if irritation persists.
Eyes: Flush eyes with water for at least 15 minutes,

Material Safety Data Sheet

Effective Date: 17-JAN-2013

Product: CORON 14-0-14 PLUS MICROS TURF AND HORT (CODE 60)

Notes to Physician: There is no specific antidote for this mixture. 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 temperatures above 105 Deg. F. for prolonged periods.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Avoid temperatures above 125 Deg. F. or greater acid contamination. 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 spilled liquid. If uncontaminated, recover and reuse product. If contaminated, absorb on clay or sand, then collect and place in suitable containers 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: Use NIOSH cartridge-type respirator for ammonia gas, if mist or spray is present.
Ventilation: Local exhaust sufficient.
Gloves: Impervious gloves.
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

Material Safety Data Sheet

Effective Date: 17-JAN-2013

Product: CORON 14-0-14 PLUS MICROS TURF AND HORT (CODE 60)

with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, ponds or drains. Use within 9 months of purchase. Store unblended in closed containers at temperatures between 40 Degrees F and 90 Degrees F. Avoid using 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: Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

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.