



Safety Data Sheet

Report Date 22-Apr-15

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1. Identification

Product Name : CORON 14-0-14 PLUS MICROS TURF AND HORT (CODE 60)
Synonyms : None
Product Use : Controlled Release Turf/Horticultural Fertilizer
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Causes mild skin irritation
Eye Irritation : Causes serious eye irritation
Acute Toxicity Oral : May be harmful if swallowed
Acute Toxicity Dermal : May be harmful in contact with skin

Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2A; Skin Irritation - 3

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes serious eye irritation
Causes mild skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of plant nutrients derived from urea, methylene diurea, methylene ureas, potassium hydroxide, copper EDTA, iron EDTA, manganese EDTA and zinc EDTA. The chelating agent is EDTA (ethylenediaminetetraacetic acid). GUARANTEED ANALYSIS: Total Nitrogen (N): 14.00% Soluble Potash (K ₂ O): 14.00% Copper (Cu): 0.05% Iron (Fe): 0.10% Manganese (Mn): 0.05% Zinc (Zn): 0.05%	Proprietary	100.00

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.



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Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media : Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.

Specific Hazards Arising from the Chemical : May generate toxic and irritating fumes under fire conditions.

Special Fire Fight Proc : Wear positive-pressure, self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area.

Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with cartridge for ammonia gas if mist or spray is present. Emergency shower and eyewash should be available in work area.

Emergency Procedures : Contain spilled liquid. If uncontaminated, recover and place in suitable container for reuse.

Methods and Materials for Containment and Cleanup : If contaminated, absorb on clay or sand, then collect and place in suitable containers for proper disposal.

7. Handling and Storage

Precautions for Safe Handling : Keep out of reach of children. Keep container tightly closed. Do not contaminate water sources by cleaning of equipment or disposal of rinse water.

Conditions for Safe Storage : May be stored in unheated area but keep from freezing. Do not store with food, feed or other material to be used or consumed by humans or animals.

8. Exposure Controls / Personal Protection

TLV/PEL : No information found for mixture.

Appropriate Engineering Controls : Local exhaust is sufficient.

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with cartridge for ammonia gas if mist or spray is present. Emergency shower and eyewash should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear, dark brown liquid with mild ammonia odor.

Flash Point, °F : Non-combustible

Boiling Point, °F : >100 Degrees C.

Melting Point(Freezing point), °C : No information found

Vapor Pressure, mm Hg @ 20 °C : Not determined

Vapor Density : Not applicable



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Solubility in Water : Soluble
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.301 to 1.321
Evaporation Rate(Butyl Acetate = 1) : 0.03
Octanol/Water Partition Coefficient : No information found
pH : 8.0 to 9.5
Flammable Limits (approximate volume % in air) : Not applicable
Auto-ignition Temperature : Not applicable
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Product may release ammonia and carbon dioxide under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid temperatures above 105 Degrees F. for prolonged periods of time.
Incompatible Materials : Avoid mixing or intimate contact with strongly acidic materials.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No data available. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : No data available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No data available. May be harmful if inhaled.
Likely Routes of Exposure : Skin and eyes
Skin Irritation : Prolonged or repeated skin contact may cause irritation. Causes mild skin irritation.
Eye Irritation : Eye contact with liquid or mist may cause irritation. Causes serious eye irritation.
Skin Sensitization : No information found
Carcinogenic : None currently known.
Chronic Effects : None currently known.
Other Hazards : None currently known.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information



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UN Proper Shipping Name : Not regulated by DOT, IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found
Special Precautions for Transportation : None
Freight Classification : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 0 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

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

16. Other Information

Data of Preparation/Revision : 22-April-2015