



Safety Data Sheet

Report Date 21-Apr-15

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1. Identification

Product Name : CORON 12-0-12 (CODE 50) (T&O)
Synonyms : None
Product Use : Turf/Ornamental Foliar Controlled Release Nitrogen
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, and Potassium Carbonate. GUARANTEED ANALYSIS: Total Nitrogen (N): 12.00 Soluble Potash (K2O): 12.00%	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.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically. Do not induce vomiting.



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5. Fire Fighting Measures

- Extinguishing Media** : Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire. If water is used, contain fire fighting water to prevent environmental contamination.
- Specific Hazards Arising from the Chemical** : Generates toxic and irritating fumes under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

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 for ammonia gas, if needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Contain spill. Prevent from spreading or contaminating any water sources, drains or sewers.
- Methods and Materials for Containment and Cleanup** : If uncontaminated, recover and reuse product. If contaminated, absorb with inert material, such as clay or sand, then collect and place in suitable containers for disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and 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 acidic materials.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- 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 for ammonia gas, if needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Light blue liquid with ammonia odor.
- Flash Point, °F** : Non-combustible
- Boiling Point, °F** : 102 Degrees C.
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : 50 mmHg at 21 Degrees C.
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.275-1.295
- Evaporation Rate(Butyl Acetate = 1)** : 0.03
- Octanol/Water Partition Coefficient** : No information found



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pH : 11.0-13.0
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 : May release ammonia and carbon dioxide under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid high temperatures above 105 Degrees F. for prolonged periods.
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 : Eyes, skin, ingestion, inhalation
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes serious eye irritation.
Skin Sensitization : No information found
Carcinogenic : Not listed by IARC, NTP or OSHA.
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

UN Proper Shipping Name : Not regulated by DOT.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found



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Special Precautions for Transportation : No information found

Freight Classification : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 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 : 21-April-2015