



# Safety Data Sheet

Report Date 18-Apr-15

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## 1. Identification

**Product Name** : CORON 14-2-14 PLUS MICROS (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, Phosphoric Acid, Potassium Carbonate, Copper EDTA, Iron EDTA, Manganese EDTA, and Zinc EDTA. GUARANTEED ANALYSIS: Total Nitrogen (N): 14.00% Available Phosphate (P2O5): 2.00% Soluble Potash (K2O): 14.00% Copper (Cu): 0.05% Iron (Fe): 0.10% Manganese (Mn): 0.05% Zinc (Zn): 0.05% The chelating agents is EDTA (ethylenediaminetetraacetic acid).	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. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to 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 product. Use extinguishing media suitable for underlying cause of fire.

**Specific Hazards Arising from the Chemical** : Product generates 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. NIOSH-approved respirator with ammonia cartridge, if needed. Eyewash and emergency shower should be available in work area.

**Emergency Procedures** : Contain spill. Prevent spreading to soil or to water, drains or sewers.

**Methods and Materials for Containment and Cleanup** : If uncontaminated, recover and reuse product. If contaminated, absorb on clay or sand and place in a recovery drum for proper disposal.

## 7. Handling and Storage

**Precautions for Safe Handling** : 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.

## 8. Exposure Controls / Personal Protection

**TLV/PEL** : Not established for mixture.

**Appropriate Engineering Controls** : Local exhaust is sufficient.

**Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. NIOSH-approved respirator with ammonia cartridge, if needed. Eyewash and emergency shower should be available in work area.

## 9. Physical and Chemical Properties

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

**Flash Point, °F** : Non-combustible

**Boiling Point, °F** : >100 Degrees C.

**Melting Point(Freezing point), °C** : <35 Degrees F.

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

**Vapor Density** : Not applicable

**Solubility in Water** : Soluble

**Molecular Formula** : Not applicable, formulated mixture.

**Density, g/mL @ 25 °C** : 1.350-1.357



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Evaporation Rate(Butyl Acetate = 1) : 0.03  
Octanol/Water Partition Coefficient : No information found  
pH : 11.0-11.5  
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 long 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 : Eyes, skin, ingestion, inhalation  
Skin Irritation : Causes mild skin irritation.  
Eye 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

UN Proper Shipping Name : Not regulated by DOT  
Transport Hazard Class : None  
UN Identification Number : None



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**Packaging Group** : None  
**Environmental Hazards** : No information found  
**Transport in Bulk** : None  
**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: 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** : 18-April-2015