



Safety Data Sheet

Report Date 31-Oct-18

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1. Identification

Product Name : CoRoN Metra 28
Synonyms : None
Product Use : Controlled Release Nitrogen Liquid Fertilizer
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
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 skin irritation
Eye Irritation : Causes serious eye irritation
Acute Toxicity Oral : Not tested for Acute Oral Toxicity. Components are not considered acutely toxic.
Acute Toxicity Dermal : No toxic effects due to skin absorption based on currently known information.
Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2A/2
Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
May be harmful if inhaled
Causes serious eye irritation
Causes skin irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of plant nutrients derived from Urea, Methylene Diurea, and Methylene Ureas.	Proprietary	100.00
GUARANTEED ANALYSIS: Total Nitrogen (N): 8.4% Urea Nitrogen 19.6% Water Soluble Nitrogen		28.00%

4. First Aid Measures

Eye : Flush eyes with water for 15 minutes, holding eyelids open. Obtain medical attention if irritation develops.
Skin : Wash skin thoroughly with soap and water. Get medical attention if irritation develops.
Inhalation : Move to fresh air. Obtain medical attention if irritation develops.
Ingestion : Drink large volumes of water and induce vomiting by placing finger at back of throat. Call a physician or poison control center.
Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

5. Fire Fighting Measures



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Extinguishing Media : Non-combustible product. Use extinguishing media for underlying cause of fire.
Specific Hazards Arising from the Chemical : Product may release ammonia and carbon dioxide 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 : Avoid contact with skin and eyes.
Protective Equipment : NIOSH-approved respirator for ammonia gas if mist or spray is present, impervious gloves, splashproof goggles, impervious apron and footwear. Safety shower and eyewash should be available.
Emergency Procedures : Do not contaminate water supplies, lakes, streams, ponds or drains with spilled product.
Methods and Materials for Containment and Cleanup : Contain spill. If uncontaminated, collect and reuse product. If contaminated, absorb on sand or clay and place in a recovery drum for proper disposal.

7. Handling and Storage

Precautions for Safe Handling : Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash water or spray waste. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metals.
Conditions for Safe Storage : Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Use within 6 months of purchase date. Store unblended in original containers.

8. Exposure Controls / Personal Protection

TLV/PEL : Not established
Appropriate Engineering Controls : Local exhaust should be sufficient.
Personal Protective Equipment : NIOSH-approved respirator for ammonia gas if mist or spray is present, impervious gloves, splashproof goggles, impervious apron and footwear. Safety shower and eyewash should be available.

9. Physical and Chemical Properties

Odor/Appearance : Clear green liquid with faint ammonia odor.
Flash Point, °F : Not flammable
Boiling Point, °F : 102 Degrees C.
Melting Point(Freezing point), °C : <-15 Degrees F.
Vapor Pressure, mm Hg @ 20 °C : 50 mm/Hg @ 21 Deg. C.
Vapor Density : Not applicable
Solubility in Water : Soluble
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.265-1.285
Evaporation Rate(Butyl Acetate = 1) : 0.03
Octanol/Water Partition Coefficient : No information found
pH : 10.0 to 10.3
Flammable Limits (approximate volume % in air) : Not applicable



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Auto-ignition Temperature : Not applicable
Decomposition temperature : No information found

10. Stability and Reactivity

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

11. Toxicological Information

Acute Toxicity (Oral LD50) : Product not tested for acute oral toxicity. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : Product not tested for acute dermal toxicity. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : Product not tested for acute inhalation toxicity. May be harmful if inhaled.
Likely Routes of Exposure : Skin, eyes, inhalation
Skin Irritation : Causes 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 : May promote eutrophication in waterways if large spills occur.

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



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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 : 31-October-2018