



Safety Data Sheet

Report Date 13-Jun-15

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1. Identification

Product Name : CORON 25-0-0, 0.5% FE
Synonyms : None
Product Use : Inorganic controlled release 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 : Irritation is possible from prolonged or repeated skin contact.
Eye Irritation : Eye contact will cause irritation or burning sensation.
Acute Toxicity Oral : No LD50 data available.
Acute Toxicity Dermal : No LD50 data available.

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2A/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, Polymethylene Urea, Methylene Diurea, Monomethylol Urea, Iron HEDTA. GUARANTEED ANALYSIS: Total Nitrogen (N): 25.0% 12.5% Urea Nitrogen 12.5% Water Soluble Nitrogen Iron (Fe): 0.5%	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. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.

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.



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5. Fire Fighting Measures

- Extinguishing Media** : Non-combustible liquid. Use extinguishing media for underlying cause of fire.
Specific Hazards Arising from the Chemical : Decomposes on heating to produce nitrogen oxides.
Special Fire Fight Proc : Use positive pressure self-contained breathing apparatus with 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. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
Emergency Procedures : Contain spill to prevent spreading to water, soil, drains or sewers.
Methods and Materials for Containment and Cleanup : Mop up or pump up spilled liquid, then place in plastic containers. If uncontaminated, reuse as product. If contaminated, place material in plastic recovery drums for proper disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
Conditions for Safe Storage : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established.
Appropriate Engineering Controls : Local exhaust is normally sufficient.
Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear brown liquid, slight 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 : 50 mmHg @ 21C
Vapor Density : Not applicable
Solubility in Water : Soluble
Molecular Formula : Not applicable, formulated mixture
Density, g/mL @ 25 °C : 1.180-1.200
Evaporation Rate(Butyl Acetate = 1) : 0.3
Octanol/Water Partition Coefficient : No information found
pH : 8.5 to 9.8



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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 : Thermal decomposition from excessive heat (such as fire) may release ammonia and carbon dioxide.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid temperatures of 125 Degrees F. or greater.
Incompatible Materials : Avoid mixing or intimate contact with strong acidic materials.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 available. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : No LD50 available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 available. May be harmful if inhaled.
Likely Routes of Exposure : Eyes, skin
Skin Irritation : Causes mild skin irritation. Prolonged or repeated contact will cause irritation.
Eye Irritation : Causes serious eye irritation. Contact with eyes by product solution or spray mist causes irritation.
Skin Sensitization : Not listed as a skin sensitizer.
Carcinogenic : Not listed by NTP, IARC 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 or 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



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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: 1 Fire: 0 Reactivity: 1
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 : 13-June-2015