



Safety Data Sheet

Report Date 21-Apr-15

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1. Identification

Product Name : CORON 18-3-6 PLUS 0.5% FE (CODE 50)
Synonyms : None
Product Use : Inorganic 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, Monopotassium Phosphate, Dipotassium Phosphate, Potassium Carbonate and Iron HEDTA. Typical Composition: Nitrogen (N) - 18.00% Phosphate (P2O5) - 3.00% Potash (K2O) - 6.00% Iron (Fe) - 0.50%	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 unless told to by a poison control center or doctor. Do not give anything by mouth if unconscious.



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Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically. If product is mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling.

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 or 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. Eyewash and emergency shower should be available in work area.

Emergency Procedures : Contain spill. Do not allow spilled liquid to enter any waterways, drains or sewers.

Methods and Materials for Containment and Cleanup : If uncontaminated, recover 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 : Keep container tightly closed. Keep out of reach of children. 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 protect from freezing.

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 with cartridge for ammonia gas. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear brown liquid with ammonia odor.

Flash Point, °F : Non-combustible

Boiling Point, °F : 102 Degrees C.

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

Vapor Pressure, mm Hg @ 20 °C : 50 mmHg @ 21 Deg C

Vapor Density : Not applicable

Solubility in Water : Soluble

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.270 to 1.290

Evaporation Rate(Butyl Acetate = 1) : 0.03



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Octanol/Water Partition Coefficient : No information found
pH : 10.6 to 11.6
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 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 : Skin and eyes
Skin Irritation : Prolonged or repeated contact may irritate the skin slightly. Causes mild skin irritation.
Eye Irritation : Contact with liquid or mist can irritate the eyes. Causes serious eye irritation.
Skin Sensitization : No data 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, IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None



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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 : 21-April-2015