

Material Safety Data Sheet

Effective Date: 27-JUL-2014  
Product: CORON 10-0-10 PLUS 0.5% B (CODE 25)

I. IDENTIFICATION

Chemical Name: Liquid Controlled Release Fertilizer  
Chemical Family: Inorganic Fertilizer  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: 102 Degrees C.  
Freezing Point: 35 Degrees F.  
Spec Gravity: 1.1901.215 g/ml  
Vapor Pressure: 50 mm/Hg @ 21 Deg. C.  
Vapor Density: Not applicable  
Solubility: 100%  
Volatiles: 40% @ 105 Deg. C.  
Evaporation: 0.03  
Melting Point: Not applicable  
Appearance: Clear green liquid, slight ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of plant nutrients derived from urea, potassium carbonate, methylene diurea, methylene ureas and sodium borate.		100.00	15 mg/m3	Skin & eye irritant

TYPICAL COMPOSITION:  
Total Nitrogen (N): 10.00%  
(7.50% Urea Nitrogen, 2.50% Slowly Available Nitrogen)  
Soluble Potash (K2O): 10.00%  
Boron (B): 0.50%

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible  
Autoignition Temp: Not applicable  
Flammable Limit: Not applicable  
Extinguishing Media: Non-combustible product. Use extinguishing media for underlying cause of fire.

Material Safety Data Sheet

Effective Date: 27-JUL-2014  
Product: CORON 10-0-10 PLUS 0.5% B (CODE 25)

-----  
Special Fire Fight Proc: Wear positive-pressure self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.

Fire and Expl Hazard: Product generates toxic and irritating fumes under fire conditions.

-----  
V. HEALTH HAZARD

Carcinogen Information: Not currently listed.

ACUTE EFFECTS OF OVER EXPOSURE

-----  
Swallowing: Product not tested for acute toxicity. However, the individual components comprising the product are not considered acutely toxic.  
Skin Absorption: Product not tested for acute dermal toxicity.  
Inhalation: In the unlikely event that mist is formed, it may irritate the respiratory tract.  
Skin contact: Prolonged or repeated liquid contact may irritate slightly.  
Eye Contact: Liquid contact may irritate slightly. If mist is formed, it may also irritate slightly.  
Chronic Effects: None currently known.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

-----  
Swallowing: Drink large volumes of water and induce vomiting by placing finger at back of throat. Call a physician or poison control center.  
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.  
Eyes: Flush eyes with water for 15 minutes, holding eyelids open. Obtain medical attention if irritation develops.  
Notes to Physician: There is no specific antidote for this material. Treatment of overexposure should be directed at control of the symptoms and the clinical condition of the patient.

-----  
VI. REACTIVITY

-----  
Stability: Stable

Material Safety Data Sheet

Effective Date: 27-JUL-2014

Product: CORON 10-0-10 PLUS 0.5% B (CODE 25)

-----  
Conditions to Avoid: Avoid high temperatures above 105 Degrees F.  
for prolonged periods.

Polymerization: Will Not Occur

Conditions to Avoid: Avoid temperatures above 125 Degrees F. or  
greater acid contamination.

Incompatibility material: Avoid mixing or intimate contact with strongly  
acidic materials.

Hazardous Combustion: Product may release ammonia and carbon dioxide  
under fire conditions.

-----  
VII. SPILL OR LEAK PROCEDURES  
-----

Spill or Leak Proc: Contain spill. If uncontaminated, collect and  
reuse product. If contaminated, absorb on sand  
or clay and place in a recovery drum for  
proper disposal.

Waste Disposal Method: This material must be disposed of according to  
Federal, State or Local procedures under the  
Resource Conservation and Recovery Act.

-----  
VIII. SPECIAL PROTECTION INFORMATION  
-----

Respiration: NIOSH cartridge-type respirator approved for  
ammonia gas, if mist or spray is present.

Ventilation: Local exhaust sufficient.

Gloves: Impervious

Eyes: Splash proof goggles.

Other: Emergency shower, eyewash station, impervious  
apron and footwear.

-----  
IX. SPECIAL PRECAUTIONS  
-----

Special precaution: Keep out of reach of children. Do not store  
with food, feed or other material to be used  
or consumed by humans or animals. Do not  
contaminate water supplies, lakes, streams or  
ponds. Use within 6 months of purchase date.  
Store unblended in closed container between 40  
Degrees F. and 90 Degrees F. Avoid containers,  
piping or fittings made of copper-containing  
alloys or galvanized metals.

Other precaution: Product may promote eutrophication in  
waterways if large spills occur.

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

27-JUL-2014 21:41:54  
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 27-JUL-2014  
Product: CORON 10-0-10 PLUS 0.5% B (CODE 25)

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Fertilizing Compound, (Manufactured  
Fertilizer), Liquid, NOIBN (NMFC Item 68140,  
Sub 6, Class 70)

Chemical Name	Equivalent R.Q.
Not applicable	Not applicable

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 1                      Fire: 0                      Reactivity: 0

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	

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is factual.  
This data is not to be taken as a warranty or representation of legal  
responsibility. It is offered solely for your consideration, investigation  
and verification.