

Material Safety Data Sheet

Effective Date: 16-OCT-2001
Product: CoBo 12-0-0

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: Not required

II. PHYSICAL DATA

Boiling Point: 102 Degrees C.
Freezing Point: 35 Degrees F.
Spec Gravity: 1.269 gms/cc
Vapor Pressure: 50 MM/HG @ 21 Degrees C.
Vapor Density: Not applicable
Solubility: 100%
Volatiles: 40% @ 105 Degrees C.
Evaporation: 0.03%
Melting Point: Not applicable
Appearance: Green liquid, ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of borates, urea, methylene diurea, monomethylol urea, and amino modified methylene urea	not applicable	100.00	5 mg/m3	Skin & Eye Irritant

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.
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.

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V. HEALTH HAZARD

Carcinogen Information: Not 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: Dilute by drinking a large amount of water. Do not induce vomiting. Obtain medical attention immediately.
Skin: Wash skin thoroughly with soap and water. Obtain 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 product. Treatment of over-exposure should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid high temperatures above 105 degrees F for prolonged periods.
Polymerization: Will Not Occur
Conditions to Avoid: Temperatures above 125 degrees F. or greater, acid contamination.
Incompatibility material: Avoid mixing or intimate contact with strong acidic materials.

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

VI. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spill. If uncontaminated, recover and
reuse product. If contaminated, absorb on sand
or clay and place in recovery drums 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/MSHA cartridge type respirator approved
for ammonia gas, if mist or spray is present.
Ventilation: Local exhaust normally sufficient.
Gloves: Impervious
Eyes: Splash proof goggles
Other: Eye wash station, impervious apron and
footwear.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of the 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.
Other precaution: Product may promote eutrophication in waterways
if large spills occur.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG
Hazard Class: None
Identification No: None Required
Labels Required: None Required
Placarding: None Required

