



SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: Co-Mo-B

Trade Names/Synonyms: Ethylenediaminetetraacetic acid (EDTA), Cobalt carbonate, Sodium Molybdate Dihydrate, Boric acid

EPA Reg. No.: Not applicable

Manufacturer: Monty's Plant Food Co.
4800 Strawberry Ln.
Louisville, KY 40209

Emergency Contact Number: 502-489-9888

CREATION DATE: January 26, 2018

2. COMPOSITION

<u>Chemical Ingredients:</u>	<u>Percentage by Weight</u>	<u>CAS No.</u>	<u>TLV</u>
EDTA	11.0	60-00-4	none established
Cobalt Carbonate	2.0	513-79-1	none established
Sodium Molybdate Dihydrate	4.5	10102-40-6	none established
Boron	1.5	7440-42-8	none established

3. HAZARD IDENTIFICATION

CAUTION: Keep out of reach of children.

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Eye protection and gloves are suggested when handling product. Wash thoroughly after handling. Primary routes of entry are eye contact and skin contact.

Physical hazards:	Not classified.
Health hazards:	Not classified.
OSHA defined hazards:	Not classified.

4. FIRST AID MEASURES

Inhalation: Remove affected person to fresh air and facilitate breathing as needed.

Contact physician for further care.

Skin and Eye Contact: Maybe an irritant to skin and eyes. Flush affected area with water for at least 15 minutes. Contact physician for further care.

Ingestion: Drink plenty of water to dilute. Notify a poison control center immediately.

Contact physician for further care.

5. FIRE FIGHTING MEASURES

Flash Point (°F/Test Method): Does not flash.

Flammable Limits (LFL & UFL): Not established.

EXTINGUISHING MEDIA: Use medium appropriate to surrounding fire. Water spray/fog, foam, carbon dioxide, dry chemical are acceptable. Remain upwind. Avoid breathing smoke. Wear contained breathing apparatus and full protective gear.

Hazardous Combustion Products: May include but are not limited to oxides of carbon, cobalt, and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Ventilate area. Contain spill and absorb liquid with clay or other absorbent material. Sweep up material and place in container for possible land application according to label use or for proper disposal. Check local, state and federal regulations for proper disposal.

Caution: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING/STORAGE INFORMATION

Open the container carefully. Contents may be under pressure and has a slight odor of ammonia. Eye protection and gloves are suggested when handling undiluted product. Use with adequate ventilation. Keep container tightly closed when not in use. A poorly sealed container may adversely affect product quality.

Do not store below 25 °F.

Observe all federal, state and local regulations when storing this product. It is recommended that storage and transfers of this product be done on an impervious surface to prevent contamination of waterways.

Cobalt EDTA solutions are aggressive to mild steel, and brass. Store in compatible container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Not normally required.

Respiratory Controls: Not normally required. If ammonia odor is too strong, wear a NIOSH approved respirator for anhydrous ammonia.

Exposure Limits: No occupational exposure limits have been established by OSHA/ACGIH/NIOSH.

Ventilation: Use general room ventilation or adequate ventilation for comfort.

Protective Gloves and Other Protective Equipment: Wear chemically protective gloves. Wear chemically protective boots, aprons, and gauntlets to prevent prolonged or repeated contact with skin.

Eye Protection: Wear safety goggles when handling this product. Use a face shield for additional protection. Contact lenses are not eye protective devices.

For Firefighting and Other Immediately Harmful Conditions: Any self-contained breathing apparatus or supplied air apparatus that has a full face piece and is operated in a positive-pressure mode is suitable.

9. CHEMICAL/PHYSICAL PROPERTIES

Physical State: Liquid

Appearance and Odor: Wine colored with ammoniacal odor.

pH: 7-10

Melting Point: Not applicable

Boiling Point: Undetermined

Water Solubility: Miscible.

Specific Gravity (water = 1.0): 1.133 (9.45 lbs/gallon)

Evaporation Rate: Not established.

Percent Volatile (by volume): Not established

Vapor Pressure: Not established.

10. STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Avoid contact with strong oxidizers, strong acids and/or excessive heat.
Hazardous Decomposition Products: Thermal decomposition may include but are not limited to oxides of carbon, cobalt, and nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀: Ammonia: 350 mg/kg

Eye Irritation: Causes slight irritation

Inhalation LC₅₀: 2000 ppm (4 hr.)

Ingestion: Maybe an irritant if ingested.

Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH

Acute Toxicity Values: Intraperitoneal mouse lethal dose (50% Kill) 260 mg/Kg Co

Acute Dermal LD₅₀: not established

Skin Irritation: Causes slight irritation.

Skin Sensitization: not established

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING (0-4): No data available for this product

ACUTE AQUATIC TOXICITY: No data available for this product

DEGRADABILITY: No data available for this product

LOG BIOCONCENTRATION FACTOR (BCF): No data available for this product

LOG OCTANOL/WATER PARTITION COEFFICIENT: No data available for this product

Material is toxic to fish and other aquatic organisms.

Do not contaminate water supplies.

13. DISPOSAL CONSIDERATIONS

Evaluation is required by the user at the time of disposal. In all cases, disposal should be in accordance with all local, state, and federal laws and regulations. For recycling options please contact product manufacturer.

14. TRANSPORTATION INFORMATION

Not Established under DOT - 49 CFR 172.101

Freight Classification: Fertilizing Compounds (Manufactured Fertilizers), NOI, Liquid (NMFC 68140, Sub 6; Class 70)

Consult Appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings: NFPA

HMIS

1 Health

0 Least

1 Health

0	Flammability	1	Slight	0	Flammability
1	Instability	2	Moderate	1	Reactivity
		3	High	H	PPE
		4	Severe		

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire N Delayed N
Reactive N Sudden Release of Pressure N

16. OTHER INFORMATION

Prepared by: ESH Department
SDS Preparation Date: January 26, 2018
Last Revision Date: 3/25/19 DS

FOR ADDITIONAL NON-EMERGENCY INFORMATION CONTACT:

Monty's Plant Food Co.
4800 Strawberry Ln.
Louisville, KY 40209
502-489-9888

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness by Monty's Plant Food Co. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Customers are responsible for compliance with local, state and federal regulations that may be pertinent in the storage, application and disposal of this product.

Note: This MSDS was prepared for and shall only be used for this product. The information and recommendations on this SDS is presented in good faith and based on data which is believed to be accurate. Monty's Plant Food Co., however, makes no guarantees or warranty, either expressed or implied, on the accuracy of this information. The conditions or methods of handling, storage, use, and disposal of this is beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, disposal of this product. If this product is used as a component of another product, the information contained in this SDS may no longer be applicable.