

101 North Main Street • Clearfield • Utah 84015 / P.O. Box 750 • Clearfield • Utah 84089 • USA • (801)773-4631 • (800)453-2406 • Fax (801)773-4633  
www.AlbionMinerals.com

**Product Name:** Metalosate® Crop-Up®

**Revision Date:** 20-Aug-2015

**Product Number:** 07317

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION		
Product Name	Metalosate® Crop-Up®	
Product Description	Mineral foliar supplement	
Manufacturer's Name	Albion Laboratories, Inc.	
Address	101 North Main Street, Clearfield, Utah 84015	
Emergency Telephone Number	(801) 773-4631	
Telephone Number for Information	(801) 773-4631	
2. HAZARDS IDENTIFICATION		
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)	Aquatic Chronic 3, H412	
Hazard statement (s)	H412- Harmful to aquatic life with long lasting effects	
Precautionary statement(s)	P501- Dispose of contents in accordance with local or national regulations	
Hazards not otherwise classified (HNOC) or not covered by GHS	None	
	6% of mixture consists of ingredient(s) of unknown acute toxicity and 45% of unknown environmental toxicity	
3.COMPOSITION / INFORMATION ON INGREDIENTS		
Proprietary Blend of	Manganese amino acid chelate, magnesium amino acid chelate, copper amino acid chelate, iron amino acid chelate, and boron (derived from boric acid)	
	Hazardous Component	Classification
	Zinc amino acid chelate	Aquatic Chronic 3, H412
	Concentration Range	7.31%
Approx. % by WT	100%	
4. FIRST AID MEASURES		
Eyes	Irrigate thoroughly with water for at least 10 minutes. If any discomfort persists obtain medical attention	
Skin	Wash skin thoroughly with water. Remove contaminated clothing and wash before reuse. In severe cases obtain medical attention.	
Ingestion	Wash out mouth thoroughly with water. Obtain medical attention.	
Inhalation	Remove from exposure, rest and keep warm. In severe cases obtain medical attention.	
5. FIRE FIGHTING MEASURES		
General Hazard	No specific hazard	
Extinguishing Media	Water spray, foam, dry chemical, or carbon dioxide	
6. ACCIDENTAL RELEASE MEASURES		
Small Spill	Wear appropriate protective clothing. Sweep up spillage and wash affected area.	
Large Spill	Vacuum or sweep up material and place in a disposal container. Dispose of in a manner according to local regulations.	
7. HANDLING AND STORAGE		
Handling	Wear protective clothing and wash areas of contact after handling.	
Storage	Store in a cool, dry place in original container. Do not leave product in open containers.	
Work Hygienic Practices	Good general ventilation should be sufficient to control airborne levels.	

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
<b>Eyes and Face</b>	Wear appropriate clothing and eye protection.
<b>Respiratory</b>	Fine dust respirator to standard N95 or equivalent.
<b>Protective Clothing</b>	Wear appropriate clothing.
9. PHYSICAL AND CHEMICAL PROPERTIES	
<b>Physical State</b>	Liquid
<b>Odor</b>	Proteinaceous
<b>Appearance</b>	Liquid
<b>Color</b>	Dark brown
<b>pH</b>	4.0 - 5.0 (1% in distilled water)
<b>Boiling Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Density</b>	1.10 -1.24 g/mL
<b>Solubility</b>	Water soluble
10. STABILITY AND REACTIVITY	
<b>Stable</b>	Yes
<b>Hazardous Polymerization</b>	No
<b>Hazardous Decomposition Products</b>	Metal oxides and carbon dioxide are possible decomposition products.
11. TOXICOLOGICAL INFORMATION	
<b>Target Organs</b>	No target organs are known
<b>Carcinogenicity</b>	IARC: None of the materials used in this product contain chemicals on the IARC list. NTP: None of the materials used in this product contain chemicals on the NTP list.
<b>General Comments</b>	The suppliers of this product have no evidence to suggest that this product has carcinogenic or mutagenic or teratogenic effects.
12. ECOLOGICAL INFORMATION	
<b>General Comments</b>	Quantitative data on the ecological effects of this product are not available. Care should be taken to avoid entry of any chemical product into natural watercourses. No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.
13. DISPOSAL CONSIDERATIONS	
<b>Disposal Consideration</b>	Chemical residues are classified as special waste and as such are covered by regulations which vary in accordance to location. Contact your local waste disposal authority for advice or pass to a chemical disposal company
14. TRANSPORTATION INFORMATION	
<b>UN-Number DOT, ADR, AND, IATA IMDG</b>	None Non-Regulated Material Not Regulated
<b>UN proper shipping name DOT, ADR, AND, IMDG, IATA</b>	Not Regulated for Transportation Non-Regulated Material
<b>Transport Hazard class(es) DOT, ADR, AND, IMDG, IATA class</b>	Not-Regulated Non-Regulated Material
<b>Packing group DOT,ADR,IMDG,IATA</b>	Non-Regulated Material
<b>Environmental hazards Marine pollutant</b>	No

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<p><b>Transport bulk according to Annex II of MARPOL73/78 and IBC Code</b></p>	<p>Not applicable</p>
<p><b>15. REGULATORY INFORMATION</b></p>	
<p><b>General Comments</b></p>	<p>This product is not regulated by any known government agency as hazardous.</p>
<p><b>16. OTHER INFORMATION</b></p>	
<p><b>Manufacture Disclaimer</b></p>	<p>The information supplied on this sheet is to the best of our knowledge accurate at the time of preparation. It does not relieve the user of this product of any responsibility to comply with local, national, or international laws relating to the handling or use of this product.</p> <p>The suppliers do not accept responsibility for any claims resulting from the misuse of this product or failure to comply with the information stated within.</p>