



# Safety Data Sheet

Report Date 16-Oct-17

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## 1. Identification

**Product Name** : eXploit 5-0-0 (WA)  
**Synonyms** : None  
**Product Use** : Foliar Nutritional Formulation  
**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** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Acute Toxicity Oral** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Acute Toxicity Dermal** : Not classified as hazardous under 29 CFR 1910.1200 (2012)

**Hazard Categories** : Not classified as hazardous under 29 CFR 1910.1200 (2012)

**Hazard Statement** : Not Hazardous

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of plant nutrients derived from Urea, Boric Acid and Sodium Molybdate.	Proprietary	100.00
GUARANTEED ANALYSIS:		
Total Nitrogen (N):		5.00%
5.00% Urea Nitrogen		
Boron (B):		2.00%
Molybdenum (Mo):		0.02%

## 4. First Aid Measures

**Eye** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin** : Wash skin with mild soap and water. Remove contaminated clothing and shoes.

**Inhalation** : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Ingestion** : Do not induce vomiting. Rinse mouth. Call a poison control center or doctor if you feel unwell.

**Indication of Immediate Medical Attention and Special Treatment Needed** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

## 5. Fire Fighting Measures

**Extinguishing Media** : Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.

**Specific Hazards Arising from the Chemical** : May produce oxides of carbon and oxides of nitrogen under fire conditions.

**Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.



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### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. No respiratory protection needed under normal conditions. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, ponds or drains with spilled material.
- Methods and Materials for Containment and Cleanup** : Contain spill. Use an inert absorbent, such as clay, sand or sawdust, to collect spilled liquid. Scoop or shovel up absorbent and place in suitable containers for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- Conditions for Safe Storage** : Do not store at temperatures above 40 Degrees C. or below -10 Degrees C. Do not store with food, foodstuffs, drugs or potable water supplies. Keep only in the original container in a cool, well-ventilated place.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for this mixture.
- Appropriate Engineering Controls** : Good general ventilation should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. No respiratory protection needed under normal conditions. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Green to brown liquid; slight odor.
- Flash Point, °F** : >93 Degrees C. (aqueous)
- Boiling Point, °F** : No data available
- Melting Point(Freezing point), °C** : No data available
- Vapor Pressure, mm Hg @ 20 °C** : No data available
- Vapor Density** : No data available
- Solubility in Water** : Soluble in water
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.202-1.217
- Evaporation Rate(Butyl Acetate = 1)** : No data available
- Octanol/Water Partition Coefficient** : No data available
- pH** : 7.78-8.28 (pure)
- Flammable Limits (approximate volume % in air)** : No data available
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : No data available

### 10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable



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- Hazardous Decomposition Products** : Thermal decomposition generates nitrogen oxides, sulphur oxides.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Avoid excessive heat or cold. Product color changes with time, without effect on its properties.
- Incompatible Materials** : Metals

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity (Dermal LD50)** : No LD50 available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity Inhalation LC50** : No LC50 available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Likely Routes of Exposure** : Skin and eye contact
- Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Skin Sensitization** : No information available
- 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** : Readily biodegradable
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : Mixture components are completely soluble in water
- 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
- Environmental Hazards** : No information found
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : No information found
- Freight Classification** : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

### 15. Regulatory Information



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National Fire Protection :  
Association Rating

Health: 0 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: N  
Delayed (Chronic) Health: N  
Sudden Release of N  
Pressure:  
Fire: N  
Reactive: N

## 16. Other Information

Data of Preparation/Revision : 16-October-2017