



Safety Data Sheet

Report Date 16-Oct-17

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1. Identification

Product Name : eXploit 5-0-0
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, sodium molybdate, and kelp extracts (Ascophyllum nodosum). GUARANTEED ANALYSIS:	Proprietary	100.00
Total Nitrogen (N):		5.00%
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: 1 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