



Safety Data Sheet

Report Date 25-Oct-18

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1. Identification

Product Name : ZYPRO
Synonyms : None
Product Use : Soil Amendment
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification

Signal Word : None (no symbol)
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 %
Unique composition of Enzyme and Fermentation Solids. Also contains non-plant food ingredient: Enzyme Phospholipase C	Proprietary	100.00 18,900 uU/Gal

4. First Aid Measures

Eye : Promptly rinse with plenty of water for at least 15 minutes.
Skin : Promptly wash off with soap and plenty of water. Remove contaminated clothing and shoes.
Inhalation : Remove to fresh air. If irritation persists, consult a physician.
Ingestion : Clean mouth with water. Never give anything to an unconscious person. Consult a physician.
Indication of Immediate Medical Attention and Special Treatment Needed : May aggravate pre-existing eye and skin conditions. Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media : Use extinguishing agents suitable to underlying cause of fire.
Specific Hazards Arising from the Chemical : No information found
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective equipment.

6. Accidental Release Measures

Personal Precautions : Ventilate area. Keep unprotected and unnecessary personnel out of spill area.



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- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Keep spilled product from entering drains or waterways.
- Methods and Materials for Containment and Cleanup** : Soak up spilled product with inert absorbent. Collect and place in suitable containers for disposal. Decontaminate spill area with diluted bleach solution, collect wash water and place in containers with collected material for disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep away from extreme temperatures (<0 Degrees C. or >60 Degrees C.). Intentional misuse of contents can be harmful. Once opened, product is viable for 2 to 3 months if kept in original packaging. Product remains viable for 2 years when kept in original, unopened packaging.
- Conditions for Safe Storage** : Keep away from sunlight, heat and extreme conditions. Keep out of reach of children.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for any components in mixture.
- Appropriate Engineering Controls** : General and/or local exhaust ventilation should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Light amber liquid with yeast, earthy odor.
- Flash Point, °F** : Not flammable
- Boiling Point, °F** : Not available
- Melting Point(Freezing point), °C** : Not available
- Vapor Pressure, mm Hg @ 20 °C** : Not available
- Vapor Density** : Not available
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.05
- Evaporation Rate(Butyl Acetate = 1)** : Not available
- Octanol/Water Partition Coefficient** : Not available
- pH** : 6.9 to 7.5
- Flammable Limits (approximate volume % in air)** : Not available
- Auto-ignition Temperature** : No information found
- Decomposition temperature** : Not available

10. Stability and Reactivity

- Reactivity** : Not reactive
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : Not available
- Hazardous Polymerization** : Will not occur



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Conditions to Avoid : Avoid prolonged heat.
Incompatible Materials : Strong oxidizing agents

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Acute Toxicity (Dermal LD50) : No LD50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Acute Toxicity Inhalation LC50 : No LC50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Likely Routes of Exposure : Eyes, skin
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 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Carcinogenic : No ingredients listed as a carcinogen by IARC, NTP or OSHA.
Chronic Effects : No information found
Other Hazards : No information found

12. Ecological Information

Ecotoxicity : No information available
Persistence and Degradability : No information available
Bioaccumulative Potential : No information available
Mobility in Soil : No information available
Other Adverse Effects : Do not contaminate drains or waterways.

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

National Fire Protection Association Rating :

Health: 0 Fire: 0 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)



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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 : 25-October-2018