



Safety Data Sheet

Report Date 22-Oct-18

Page 1 of 4

1. Identification

Product Name : SEED SHIELD MAX BEANS
Synonyms : None
Product Use : Insecticides with Fungicides
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 : Danger
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Eye Irritation : Causes serious eye damage
Acute Toxicity Oral : LD50 >2,000 mg/kg (rat)
Acute Toxicity Dermal : LD50 >2,000 mg/kg (rat)

Hazard Categories : Eye Irritation-1; Inhalation Toxicity-4

Hazard Statement : Causes serious eye damage
Harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Fludioxonil	131341-86-1	1.08
Thiamethoxam	153719-23-4	21.7
Azoxystrobin	131860-33-8	0.87
Metalaxyl-M	70630-17-0 and 69516-34-3	3.54
Sedaxane	874967-67-6	1.08
Glycerin	56-81-5	<10.0
Propylene glycol	57-55-6	<5.0
Balance, nonhazardous	Proprietary	<56.73

4. First Aid Measures

Eye : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth if unconscious.



Safety Data Sheet

Report Date 22-Oct-18

Page 2 of 4

Indication of Immediate Medical Attention and Special Treatment Needed : There is no specific antidote if this product is ingested. treat symptomatically.

5. Fire Fighting Measures

- Extinguishing Media** : Use dry chemical, foam or carbon dioxide extinguishing media. If water is used to fight fire, dike and collect runoff.
- Specific Hazards Arising from the Chemical** : None known
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

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. Use self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or when air-purifying respirators are inadequate. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Contain the spill to prevent from spreading or contaminating soil or from entering sewers or drains or any body of water. Clean up spills immediately.
- Methods and Materials for Containment and Cleanup** : Cover entire spill with absorbent material and place into compatible disposal containers. Scrub area with hard water detergent (e.g., Tide or Joy). Pick up wash liquid with additional absorbent and place into compatible disposal container.

7. Handling and Storage

- Precautions for Safe Handling** : Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
- Conditions for Safe Storage** : Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area.

8. Exposure Controls / Personal Protection

- TLV/PEL** : Glycerin: PEL=15 mg/m³ (total).
- Appropriate Engineering Controls** : Use effective engineering controls to comply with occupational exposure limits, if applicable.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with organic vapor cartridge with any R, P or HE filter. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Red liquid; faint aromatic odor.
- Flash Point, °F** : >219 Degrees F.
- Boiling Point, °F** : Not applicable



Safety Data Sheet

Report Date 22-Oct-18

Page 3 of 4

Melting Point(Freezing point), °C : Not available
Vapor Pressure, mm Hg @ 20 °C : Not available for mixture
Vapor Density : Not available
Solubility in Water : Not available for mixture
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.18
Evaporation Rate(Butyl Acetate = 1) : No information given
Octanol/Water Partition Coefficient : Not available
pH : 6.9 (1% aqueous dispersion)
Flammable Limits (approximate volume % in air) : Not available
Auto-ignition Temperature : 905 Degrees F.
Decomposition temperature : Not available

10. Stability and Reactivity

Reactivity : Not reactive
Chemical Stability : Stable
Hazardous Decomposition Products : Not available
Hazardous Polymerization : Will not occur
Conditions to Avoid : None known
Incompatible Materials : None known

11. Toxicological Information

Acute Toxicity (Oral LD50) : >2,000 mg/kg (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).
Acute Toxicity Inhalation LC50 : 2.07 mg/L/4 hours (calculated, rat). Harmful if inhaled.
Likely Routes of Exposure : Eye, inhalation
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012).
Eye Irritation : Causes serious eye damage.
Skin Sensitization : Not a sensitizer
Carcinogenic : Not listed as a carcinogen.
Chronic Effects : None known
Other Hazards : No known ingredients appear on the CA Proposition 65 Warning listing.

12. Ecological Information

Ecotoxicity : No data for the mixture.
Persistence and Degradability : No data for the mixture.
Bioaccumulative Potential : No data for the mixture.
Mobility in Soil : No data for the mixture.
Other Adverse Effects : No data for the mixture.

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.



Safety Data Sheet

Report Date 22-Oct-18

Page 4 of 4

14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT for ground transport. If shipped by air (IATA) or water (IMDG), classified as a marine pollutant.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : Not listed as a Marine Pollutant on Appendix B to 49 CFR 172.101. Classified as a marine pollutant if shipped by air (IATA) or water (IMDG).
- Transport in Bulk** : Not regulated by DOT for ground transport.
- Special Precautions for Transportation** : If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Thiamethoxam), 9, PG III, Marine Pollutant
- Freight Classification** : Pesticides, NOI, Fungicides or Insecticides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 Fire: 1 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: Y
Delayed (Chronic) Health: N
Sudden Release of N
Pressure:
Fire: N
Reactive: N

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

- EPA Registration Number** : 100-1638-5905
- FIFRA Signal Word** : Caution
- FIFRA Label Statement** : Keep out of reach of children.
- FIFRA Label Statement** : Harmful if swallowed or absorbed through skin.
- FIFRA Label Statement** : Avoid contact with skin, eyes or clothing.
- FIFRA Label Statement** : No additional label statements
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16. Other Information

Data of Preparation/Revision : 22-October-2018