

SAFETY DATA SHEET



Date Issued : 12/28/2017
SDS No : REVIZE PBI

REVIZE PBI

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: REVIZE PBI
PRODUCT DESCRIPTION: Seed Treatment

DISTRIBUTOR

Innkvictis Crop Care, LLC
1880 Fall River Drive, Suite 100
Loveland, CO 80538

24 HR. EMERGENCY TELEPHONE NUMBERS

ChemTrec 1-800-424-9300

EPA REG. NO.: 59639-205-89391

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 5
Acute Toxicity (Dermal), Category 5
Acute Toxicity (Inhalation), Category 5
Skin Irritation, Category 3

GHS LABEL

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H303: May be harmful if swallowed.
H313: May be harmful in contact with skin.
H333: May be harmful if inhaled.
H316: Causes mild skin irritation.

PRECAUTIONARY STATEMENTS

Prevention:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.

Response:

P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313: If skin irritation occurs: Get medical advice/attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

REVIZE PBI

Chemical Name	Wt.%	CAS
Clothianidin	18 - 22	210880-92-5
Ethaboxam	2.5 - 3.5	162650-77-3
Ipconazole	0.9 - 1.1	125225-28-7
Metalaxyl	0.7 - 0.9	57837-19-1
1,2,3- Propanetriol	1 - 3	56-81-5
1, 2-Propanediol	4 - 13	57-55-6
Other Ingredients	5.6 - 73	Mixture

4. FIRST AID MEASURES

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

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

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None Expected.

GENERAL HAZARD: This product can burn under fire conditions. Toxic fumes may be emitted in a fire situation.

EXTINGUISHING MEDIA: Foam. water spray, dry chemical. or CO2

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILL:

VALENT EMERGENCY PHONE NUMBER: (800) 892-0099

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300

OBSERVE PRECAUTIONS IN SECTION 8: PERSONAL PROTECTION

Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water. For additional spill response information refer to the North American Emergency Response Guidebook.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: This material is miscible in water. Stop or reduce contamination of any water. Isolate contaminated water. Clean up spill immediately. Absorb spill with inert material. Remove contaminated water for treatment or disposal.

LAND SPILL: Avoid runoff into storm sewers and ditches which lead to waterways. Contain spilled liquids with dry sorbents. Clean up spill immediately. Absorb spill with inert material (such as dry sand or earth), then place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container.

GENERAL PROCEDURES: Contain material and dispose as waste. Place it and any damaged unusable containers in a landfill appropriate for non hazardous chemical waste. Check local, state, and federal regulations for proper disposal.

7. HANDLING AND STORAGE

REVIZE PBI

HANDLING: Keep pesticide in original container. Do not store or transport near food or feed. Do not contaminate food or feed. Do not put concentrate into food or drink containers. Do not dilute concentrate in food or drink containers. Store in a cool, dry place, out of direct sunlight.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Keep container tightly closed. Keep container in a cool well ventilated area. Stable at normal temperatures and storage conditions in closed original package.

STORAGE: Do not reuse empty container. To close package, replace and tighten cap to form an airtight seal. Open dumping is prohibited. Do not store at temperatures below 32°F. If the product is exposed to temperatures below 32°F, thaw at room temperature to 50°F or warmer and shake gently to unify the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Clothianidin	TWA	[1]	[1]	[1]	[1]
Metalaxyl	TWA	[1]	[1]	[1]	[1]
Footnotes:					
1. None					

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas. Facilities storing or utilizing this product should be equipped with an eye wash station and safety shower.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Do not get this material in your eyes. Eye contact can be avoided by wearing protective eyewear.

SKIN: All mixers, loaders, applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and chemical-resistant gloves. Some of the materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride and Viton.

RESPIRATORY: Use this material only in well ventilated areas. If operating conditions result in airborne concentrations of this material, the use of an approved respirator is recommended.

PROTECTIVE CLOTHING: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

WORK HYGIENIC PRACTICES: Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Rancid oil odor

COLOR: Red

pH: ~ 5.5 to 6.0

Notes: 1% Solution

PERCENT VOLATILE: No data available.

FLASH POINT AND METHOD: > (200 °F)

FLAMMABLE LIMITS: Not Applicable

AUTOIGNITION TEMPERATURE: No data available.

VAPOR PRESSURE: Not Available

REVIZE PBI

VAPOR DENSITY: Not Available
BOILING POINT: Not Available
FREEZING POINT: < (32 °F)
MELTING POINT: > (32 °F)
POUR POINT: Not Available
THERMAL DECOMPOSITION: Not Available
SOLUBILITY IN WATER: Miscible
EVAPORATION RATE: Not Available
DENSITY: ~ 9.51 lbs./gal. at 20°C
SPECIFIC GRAVITY: ~ 1.14 g/mL
VISCOSITY #1: 44.1 Centistokes at 20°C
MOLECULAR WEIGHT: Not Available
(VOC): Not Available
OXIDIZING PROPERTIES: Not Available

10. STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: No
STABILITY: Stable under normal use and storage conditions.
CONDITIONS TO AVOID: Extremes of temperature and direct sunlight.
HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials such as: carbon dioxide (CO₂), hydrogen chloride, Hydrogen cyanide, oxides of sulfur, oxides of nitrogen, carbon monoxide, various hydrocarbons, etc.
INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: May cause mild irritation
DERMAL LD₅₀: > 5000 mg/kg (Rat)
SKIN ABSORPTION: Mild skin irritation
ORAL LD₅₀: > 3000 mg/kg (Rat)
INHALATION LC₅₀: > 2.05 mg/L (Rat)(4-Hour)

CHRONIC: Chronic, Subchronic, Nuerological, Genetic, Reproductive and Target Organ Toxicity Data is not available for the blended product. Individual component toxicity data can be located on the component specific SDS's.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Clothianidin	Not Listed	Not Listed	Not Listed
Ethaboxam	Not Listed	Not Listed	Not Listed
Ipconazole	Not Listed	Not Listed	Not Listed
Metalaxyl	Not Listed	Not Listed	Not Listed

IARC: Not Listed
NTP: Not Listed
OSHA: Not Listed

12. ECOLOGICAL INFORMATION

REVIZE PBI

ENVIRONMENTAL DATA: This product is toxic to birds, mammals and aquatic invertebrates, oysters and shrimp. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not apply where runoff is likely to occur. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Apply this product only as specified on label. Treated seed exposed on the soil surface may be hazardous to birds and mammals. Cover or collect treated seeds spilled during loading and planting. Dispose of all excess treated seed by burying seed away from bodies of water. Do not contaminate water when disposing of equipment washwater or rinsate. Clothianidin is highly toxic to bees exposed directly (contact). Ensure that planting equipment is functioning properly in accordance with manufacturer's recommendations to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

EMPTY CONTAINER: Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated for ground transportation by US D.O.T.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS	Comments
Clothianidin	18 - 22	210880-92-5	None
Ipconazole	0.9 - 1.1	125225-28-7	None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
1,2,3- Propanetriol	56-81-5
1, 2-Propanediol	57-55-6

GENERAL COMMENTS: EPA PRECAUTIONARY LANGUAGE

CAUTION

HAZARDS TO HUMANS & DOMESTIC ANIMALS: Harmful if swallowed.

16. OTHER INFORMATION

REASON FOR ISSUE: New Product

PREPARED BY: Lighthouse Product Services LLC

MANUFACTURER DISCLAIMER: *This information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the*

REVIZE PBI

suitability of the information for their particular purposes. In no event shall Manufacturer, Supplier or Distributor be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, how so ever arising, even if company has been advised of the possibility of such damages.