



Revision Date: 10/14/2014

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

Product Name: Preen Vegetable garden Organic Weed Preventer

EPA No: Not Required (25B)

Recommended use

This product is a pre-emergent weed suppressant for landscape use.

**Supplier/Manufacturer**

Lebanon Seaboard Corporation

1600 East Cumberland Street

Lebanon PA 17042

Tel: (800) 233-0628 (717-273-1685)

Supplier Email: customerservice@lebsea.comEmergency telephone number

800-233-0628

Chemtrec 1-800-424-9300

Prosar 888-208-1368

**2. HAZARDS IDENTIFICATION**

OSHA Signal Word: None

EPA Signal Word: Caution

## Hazard Statements:

Keep out of reach of children.

Pictogram: None

Precautionary Statements for handling: See Section 7.

Precautionary Statements for disposal - Dispose in accordance with all federal, state and local regulations.

**Hazards not otherwise classified (HNOC):** None

Unknown acute toxicity                      0% of the mixture consists of ingredients of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight %
Corn Gluten Meal		100

**4. FIRST AID MEASURES**

Eye Contact	Rinse eyes with water. If discomfort or irritation persists contact a physician.
Skin Contact	Wash with soap and water.
Inhalation	Common dust hazard: If inhaled and discomfort occurs, move to fresh air, and keep person at rest in a position comfortable for breathing. If difficulty in breathing occurs and/or persists, administer oxygen and get medical attention. If medical advice is needed, have product container or label on hand.
Ingestion	Corn gluten is not toxic. No health issues are associated with ingestion.

Self-protection of the first aider: Use any appropriate personal protective equipment as required to avoid breathing dust  
Most important symptoms and effects, both acute and delayed:

Symptoms: Dust irritation with nasal discomfort possible in very dusty conditions.

Indication of any immediate medical attention and special treatment needed: Treat Symptoms.

**5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media**

Use extinguishing media suitable to local circumstances and the surrounding environment. Options in this case include water, CO<sub>2</sub>, ABC Dry Chemical extinguisher, or foam. Avoid stirring up dust with water stream.

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire, do not breathe fumes.

**Explosion data**

Sensitivity to mechanical impact: None  
 Sensitivity to static discharge: None

Note: Excessive amounts of any burnable dusts can produce explosive mixtures if allowed to disperse in the air in confined areas where ignition sources occur. Prevent excessive dust dispersal in areas of use, storage, or production.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and standard protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment, and emergency procedures**

Personal Precautions	Use reasonable personal protective equipment as required to prevent contact with and to avoid breathing dust. Remove ignition sources prior to clean-up.
Environmental precautions	Prevent entry into waterways or sewers. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.
Methods for containment	Prevent further leakage or spillage, if safe to do so.
Methods for clean-up	Use reasonable personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up excess with inert absorbent material.

**7. HANDLING AND STORAGE**

Safe Handling	Ensure adequate ventilation, especially in confined areas. Use dust mask or appropriate personal protective equipment as required for dusty conditions. Wash hands thoroughly after handling.
Storage Conditions	Keep containers tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feed. Keep out of the reach of children.
Incompatible materials	None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH*
Nuisance Dusts	10 mg/m <sup>3</sup> (TWA)	15 mg/m <sup>3</sup> (TWA total) 50 mppcf (TWA total) 5 mppcf (TWA respirable)	Not Established

\*IDLH refers to amounts that are "Immediately Dangerous to Life or Health"

Other Information:

Engineering controls: Use with adequate ventilation to prevent dust buildup in air.

**Individual protection measures**

- Eye protection                      Safety glasses if eye contact is likely to prevent eye abrasion.
- Skin and Body Protection        Not needed under normal conditions.
- Respiratory Protection            Dust mask recommended for very dusty conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
- General Hygiene                    Wash hands thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Physical state                        Solid
- Appearance                         light brown/yellow granules
- Color                                  Mixed, various
- Odor                                    Slight
- Odor Threshold                     No information available
- pH                                        Not applicable
- Melting point/freezing point     Not applicable
- Boiling point / boiling range     Not applicable
- Flash point                          No information available
- Evaporation rate                    Not applicable
- Flammability (solid, gas)         No information available
- Flammability Limits in Air
  - Upper flammability limit:        No information available
  - Lower flammability limit:        No information available
- Vapor pressure                      Not applicable
- Vapor density                        Not applicable
- Specific Gravity                     Not applicable
- Water solubility                     Mostly Insoluble in water
- Solubility in other solvents        No information available
- Partition coefficient                No information available
- Autoignition temperature         No information available
- Decomposition temperature        No information available
- Oxidizing properties                No information available

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable.

**Possibility of Hazardous Reactions**

May release heat and fumes when mixed in solution with incompatible reactive materials.

**Hazardous polymerization**

Will not occur.

**Conditions to avoid**

High heat, sparks and open flames, as some ingredients may be burnable.

**Incompatible materials**

Strong acids or alkali, or other reactive substances.

**Hazardous Decomposition Products**

May emit toxic fumes under fire conditions, such as Nitrogen oxides (NOx), Ammonia, Oxides of sulfur, Hydrogen chloride and Carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

Routes of exposure: Ingestion, eyes (contact), skin (contact), dust inhalation

Symptoms	None known.
Sensitization	Not a sensitizer.
Germ cell mutagenicity	Not a mutagen
Carcinogenicity	Not carcinogenic
Reproductive toxicity	No information available
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Chronic toxicity	No information available
Target Organ Effects	No information available
Aspiration hazard	No information available
Note: Corn gluten is a recognized food. As such, it is not toxic.	

**12. ECOLOGICAL INFORMATION**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent bodies of water. Do not apply when weather conditions favor drift from treated areas.

Persistence and degradability	Readily biodegradeable
Bioaccumulation	No information available
Other adverse effects	None expected

**13. DISPOSAL CONSIDERATIONS**

This material, as supplied is not a hazardous waste according to federal regulations (40 CFR 261).

**Disposal of wastes:** (Example)

This product is not a hazardous waste material.

EPA Waste Numbers are not applicable for this product’s components.  
 Dispose of in accordance with Local, State, and Federal regulations.

**Contaminated packaging**

US Federal: special packaging considerations for pesticide containers. If the container is empty, do not reuse it. Place it in the trash, unless the label specifies a different procedure. Follow local regulations.

**14. TRANSPORT INFORMATION**

<b>DOT:</b>	Not Regulated	<b>ADR:</b>	Not Regulated
Proper Shipping Name:	Non Regulated	<b>ADN:</b>	Not Regulated
Hazard Class:	Not Applicable	<b>RID:</b>	Not Regulated
<b>IATA:</b>	Not Regulated	<b>IATA:</b>	Not Regulated
Proper Shipping Name:	Non Regulated	<b>TDG:</b>	Not Regulated
Hazard Class:	Not Applicable	<b>ICAO:</b>	Not Regulated
<b>IMDG/IMO</b>	Not Regulated	<b>MEX:</b>	Not Regulated
Hazard Class	Not Applicable		
Marine Pollutant	Yes		

**15. REGULATORY INFORMATION**

<b>General Product Information:</b>	This product is not federally regulated as a hazardous material.
<b>Clean Air Act:</b>	No data
<b>Clean Water Act:</b>	No data
State Right-to-Know Components:	
<b>TSCA STATUS:</b>	This product is exempt from TSCA Regulation under FIFRA Section 3(2)(G)(ii) when used as a pesticide.
<b>CERCLA REPORTABLE QUANTITY:</b>	No components listed
<b>SARA TITLE III:</b>	
Section 302, Extremely Hazardous Substances:	None
Section 311/312 Hazard Categories:	None
Section 313 Toxic Chemicals:	None
<b>Component Analysis – State</b>	Not listed in any state

**16. OTHER INFORMATION**

**Other Information**

Disclaimer

The information provided in this material safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.