



Lebanon Seaboard Corporation

SAFETY DATA SHEET

Revision Date: Nov 21, 2014

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: **Preen Southern Weed Preventer plus Fire Ant, Flea & Tick Killer**

EPA No: 961-423

Recommended use

This product is a mixed herbicide/insecticide for landscape use. It is not a concentrate.

Supplier/Manufacturer

Lebanon Seaboard Corporation
1600 East Cumberland Street
Lebanon PA 17042

Emergency telephone numbers

Lebanon Seaboard: 1-800-233-0628
1-717-273-1685

Chemtrec: 1-800-424-9300

Prosar: 1-888-208-1368

2. HAZARDS IDENTIFICATION

OSHA Signal Word: Warning

EPA Signal Word: Caution

Hazard Statements:

Suspected of causing cancer (EPA Class C carcinogen, comparable to OSHA Category 2).

Pictogram: Silhouette



Precautionary Statements for handling: See Section 7.

Precautionary Statements for disposal - Dispose in accordance with all federal, state and local regulations. See Section 13.

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 %
Paper Mulch	2004-34-6	48 - 50
Corn Cob	NA	48 - 50
Dithiopyr herbicide	97886-45-8	0.2 - 0.5
Bifenthrin insecticide	82657-04-3	0.1 - 0.5

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. If injury occurs, or if discomfort or irritation persists contact a physician.

Inhalation 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 Rinse mouth. Drink Plenty of water. If discomfort occurs, seek medical attention. Do not induce vomiting of an unconscious person.

Self-protection of the first aider: Use any appropriate personal protective equipment as required to avoid breathing dust, and to avoid eye and skin contact.

Most important symptoms and effects, both acute and delayed:

Symptoms: Dust irritation with nasal discomfort, or skin irritation possible at high exposure levels.

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, CO₂, 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 eyes or skin and to avoid breathing dust. Remove ignition sources prior to clean-up.
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. 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. Avoid generating dust.
Methods for clean-up	Use reasonable personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading. 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 personal protective equipment as required to keep dust levels below TLV's. Wash hands thoroughly after handling.

Storage Conditions Keep containers tightly closed in a cool, well- ventilated place. Hold in locked storage. Keep out of the reach of children.

Incompatible materials Avoid strong acids or alkali, or other reactive substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH*
Cellulose	10 mg/m ³ (TWA)	15 mg/m ³ (TWA total) [50 mppcf** (TWA total)] 5 mg/m ³ (Respirable)	10 mg/m ³ (TWA total) 5 mg/m ³ (Respirable)

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

**millions of particles per cubic foot of air

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

Individual protection measures

Eye protection	Safety glasses, or goggles if eye contact is likely
Skin and Body Protection	Gloves and coveralls recommended.
Respiratory Protection	Dust mask recommended for dusty or misty 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	When using product, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Appearance	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, although some ingredients may dissolve.
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 ProductsMay emit toxic fumes under fire conditions, such as Nitrogen oxides (NO_x), Ammonia, Oxides of sulfur, Hydrogen chloride and Carbon monoxide.**11. TOXICOLOGICAL INFORMATION**

<u>Routes of exposure:</u>	Ingestion, eye contact, skin contact (low), dust inhalation			
Symptoms	May irritate the digestive tract if ingested in quantity, causing nausea, vomiting and diarrhea. Systemic toxicity is highly unlikely given the low concentrations of toxic ingredients.			
Sensitization	Not expected.			
Germ cell mutagenicity	No information available			
Carcinogenicity:	IARC: No	ACGIH: No	NTP: No	OSHA: No
Other:	Classified by EPA as a Class C carcinogen (similar to OSHA Category 2: Suspected of causing cancer).			
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			

12. ECOLOGICAL INFORMATION

Bifenthrin is highly toxic to aquatic organisms, including fish.

Dithiopyr is toxic to fish.

Persistence and degradability: Persist in the soil phase, but gradually biodegrade. Moderately persistent.

Bioaccumulation: No information available

Other adverse effects: Toxic to bees.

13. DISPOSAL CONSIDERATIONS

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

Disposal of wastes:

This product is a not hazardous waste material.

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

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

15. REGULATORY INFORMATION

SARA 313 Superfund Amendments: This product contains one or more chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal regulations, Part 372.

Chemical Name: Bifenthrin
CAS No.: 82657-04-3
Weight %: 0.1 - 0.5%

SARA 311/312 Hazard Categories

Acute: No
Chronic: Yes
Fire: No
Sudden release of pressure: No
Reactive: No

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material .

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to -Know

Cellulose (9004-34-6): NJ, MA, PA, IL
Dipropylene glycol (25265-71-8): PA
Bifenthrin (82657-04-3): NJ, RI

International Inventories

TSCA (USA): Complies
DSL (Canada): Components listed either on DSL or on NDSL

Mexico**National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Cellulose 9004-34-6 (10 - 30)		Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³

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.