



Revision Date: 10/27/2015

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**Product Name: **ProScope Turf Fertilizer 38-0-0 with 0.067% Acelepryn plus 0.253 Dim**

EPA No: 961-428

Recommended use: This product is a mixed granular fertilizer, insecticide, and herbicide for landscape use.**Supplier/Manufacturer**Lebanon Seaboard Corporation  
1600 East Cumberland Street  
Lebanon PA 17042 USA

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

Supplier Email: customerservice@lebsea.comEmergency telephone numbers in USA:

800-233-0628

Chemtrec (Spill) 1-800-424-9300

Prosar (Health) 888-208-1368

**2. HAZARDS IDENTIFICATION**

OSHA Signal Word: Warning

EPA Signal Word: Caution

**Hazard Statements:**

H320: Causes eye irritation. (Category 2B)

H333: May be harmful if inhaled repeatedly over prolonged periods. (Category 5)

H351: Suspected of causing cancer by prolonged/repeated inhalation. (Category 2)

H412: Harmful to aquatic life with long lasting effects. (Category 3)

May irritate the digestive tract if ingested in quantity.

**Precautionary Statements for handling:** See also Section 7.

P261: Avoid breathing dust.

P264: Wash hands and exposed skin thoroughly after handling.

P281: Use appropriate personal protective equipment as required to avoid breathing dust.

P305, P337, P351: If in eyes, rinse cautiously with water for several minutes. If eye irritation persists: Seek medical advice.

P308: If exposed or concerned, seek medical advice.

P273: Avoid unintended release to the environment.

Keep out of reach of children.

**Precautionary Statements for disposal** - Dispose in accordance with all federal, state and local regulations.**Hazards not otherwise classified (HNOC):** None

Unknown acute toxicity

&lt;1% of the mixture consists of ingredients of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight %
Limestone	1317-65-3	1 - 5
dipropylene glycol (oxydipropanol)	25265-71-8	0.8
Dithiopyr (herbicide)	97886-46-8	0.253
Chlorantraniliprole (insecticide)	500008-45-7	0.067
Nonhazardous fertilizer ingredients	Various	Balance

*\*Note: Naturally mined minerals like limestone typically contain silica (sand) at amounts ranging from 1 to 6%. Fine silica particulates are considered as a carcinogen via repeated and prolonged inhalation over several years exposure.*

#### 4. FIRST AID MEASURES

Eye Contact	Rinse eyes with water for several minutes. 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. Treat symptomatically. 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. Eye irritation with redness, watery eyes, itching and or burning sensation.

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 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.

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** Avoid breathing dust. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Wash hands thoroughly after handling.

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Store locked up. 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	Other
Dithiopyr	None Established	None Established	0.25 mg/m <sup>3</sup> (DOW)
Quartz silica	0.025 mg/m <sup>3</sup> (respirable)	(30 mg/m <sup>3</sup> ) ÷ (%SiO <sub>2</sub> + 2)	3000 mg/m <sup>3</sup> (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)	10 mg/m <sup>3</sup> TWA (Total) 5 mg/m <sup>3</sup> (respirable)

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

**Individual protection measures:** Use appropriate personal protective equipment as required to avoid breathing dust.

**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	Chlorantraniliprole 1.023 mg/l @ 68 F (20 C)
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Oxidizing properties	None

**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**

**Likely Routes of exposure:** Skin (contact), dust inhalation

Symptoms	May irritate the digestive tract if ingested in quantity, causing nausea, vomiting and diarrhea.
Sensitization	Not a skin sensitizer.
Germ cell mutagenicity	Tests were negative for genetic damage in bacteria or mammalian cell culture or in animals.
Carcinogenicity	Potential occupational carcinogen. Naturally mined minerals, like limestone typically contain sand (silica) at amounts ranging from 1 to 6%. Fine silica particulates are considered to be carcinogenic via repeated and prolonged inhalation over several years exposure. (IARC, ACGIH).
<b>Acute Toxicity (Chlorantraniliprole)</b>	
Acute Oral Toxicity:	>5000 mg/kg (rat)
Acute Dermal Toxicity:	>5000 mg/kg
Acute Inhalation Toxicity:	>2mg/l air, 4-hours (rat).
Reproductive toxicity	Animal tests were negative for neurological, developmental, or reproductive effects.
STOT - single exposure	No information available
STOT - repeated exposure	No information available

Chronic toxicity	No adverse effects in subchronic feeding studies in rats and dogs. Decreased body weight noted in a 28-day high dose feeding study in mice.
Acute Toxicity (Dithiopyr):	LD50, Rat, > 5,000 mg/kg No deaths occurred at this concentration.
Target Organ Effects	Liver, Kidney, Blood, Thyroid
Aspiration hazard	No information available

## 12. ECOLOGICAL INFORMATION

**Chlorantraniliprole Ecotoxicity:** Material is highly toxic to aquatic organisms on an acute basis.

Mammal:	LD50 > 5000 mg/kg (Rat)
Fish:	96 hour LC50: 12.6 mg/L (Rainbow trout) Nontoxic at solubility limit
Bird:	LD50 > 2250 mg/kg (Bobwhite Quail) Practically nontoxic (US EPA)
Bee:	Oral LD50 > 2250 mg/kg (Honeybee) Practically nontoxic (US EPA)
Invertebrate:	48-hour EC50: 0.0204 mg/L ( <i>Daphnia magna</i> )
Plants:	72-hour ErC50: >13 mg/L (Green algae)

**Dithiopyr** herbicide is toxic to fish and other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any bodies of water. 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. Do not contaminate water when disposing of equipment washwater.

**Persistence and degradability** Dithiopyr is partially biodegradable under aerobic conditions.  
The active ingredient, chlorantraniliprole, is not readily biodegradable and is moderately mobile in soil.

**Bioaccumulation (dipropylene glycol)** *Cyprinus carpio* (Carp) - 3 mg/l; Bioconcentration factor (BCF): 0.3 - 4.6 (OECD Test Guideline 305C)

**Other adverse effects** No information available

## 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 a hazardous waste material.
- EPA Waste Numbers are 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.

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**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	No		

**15. REGULATORY INFORMATION**

**General Product Information:** This product is not federally regulated as a hazardous material.

**Clean Air Act:** No data

**Clean Water Act:** No data

**TSCA STATUS:** This product is exempt from TSCA Regulation under FIFRA Section 3(2)(G)(ii) when used as a pesticide.

**CERCLA REPORTABLE QUANTITY:** No components listed

**SARA TITLE III:**

- Section 302, Extremely Hazardous Substances: None
- Section 311/312 Hazard Categories: Chronic Health Hazard (Dipropylene glycol, Sand silica)
- Section 313 Toxic Chemicals: None

RCRA Status: Unused pesticides slated for disposal should be treated as a hazardous waste.

**State Right-to-Know:** Crystalline silica: CA, IL, MA, NH, NY, NJ, PA, RI

**California Proposition 65:** This product may contain detectable quantities of a substance (sand mineral: silica) known to the State of California to cause cancer by prolonged, repeated inhalation over a long period of time (months to years).

**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.