

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**Product Name: **Lebanon ProScape Fertilizer 18-0-5 with Dimension 0.09% MESA**

EPA No.: 961-359

Product Identity: Granular fertilizer/herbicide mixture.

Recommended use

This product is a mixed granular fertilizer for landscape use.

Supplier/Manufacturer

**Lebanon Seaboard Corporation**  
**1600 East Cumberland Street**  
**Lebanon PA 17042**  
 800-233-0628  
 (717-273-1685)

Emergency telephone numbers: Chemtrec (Spill) 1-800-424-9300      Prosar (Health) 888-208-1368

**2. HAZARDS IDENTIFICATION**

OSHA Signal Word: Warning

EPA Signal Word: Caution

**Hazard Statements**

H373: May cause damage to lungs through prolonged or repeated inhalation. (Category 2) {quartz}

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

Keep out of reach of children.

**Precautionary Statements for handling:**

P261: Avoid breathing dust.

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

P308: If exposed or concerned, seek medical advice.

Keep out of reach of children.

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight %
*Dolomitic limestone	16389-88-1	40 - 45
Cellulose	9004-34-6	4.4
*Quartz silica (sand mineral)	14808-60-7	>2% (estimated)
Dithiopyr	97886-45-8	0.09
Non hazardous inert ingredients, fillers, and/or fertilizers.	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 cautiously with water for several minutes. Remove any contact lenses if easy to do, and continue rinsing. If discomfort or irritation persists contact a physician.
Skin Contact	Wash with soap and water. If injury occurs, or if discomfort or irritation persists or rash occurs, 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 you feel unwell, call a poison control center or 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 for nuisance dusts.

Most important symptoms and effects, both acute and delayed: Nuisance dust irritation may occur with nasal discomfort under highly dusty conditions.

Indication of any immediate medical attention and special treatment needed: Treat Symptoms. Consult physician if discomfort or irritation persists. Get medical advice or attention if you feel unwell.

## 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 extinguisher 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 (bunker) gear.

## 6. ACCIDENTAL RELEASE MEASURES

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

Personal Precautions	Use dust mask and gloves as needed or other reasonable personal protective equipment as required to prevent contact with eyes or skin. 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 dust mask and/or reasonable personal protective equipment as required to avoid breathing dusts. Moisten or cover powder spill with plastic sheet or tarp to minimize spreading. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Soak up excess with inert absorbent material. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE**

**Safe Handling** Do not breath dust. Read and understand all safety precautions before handling. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required to avoid breathing product dusts or mists, and to prevent eye contact. 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	*NIOSH IDLH or REL
Quartz (Silica)	0.025 mg/m <sup>3</sup> (respirable)	250 mppcf %SiO <sub>2</sub> + 5	0.05 mg/m <sup>3</sup> (REL)
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)	IDLH Not Established

\*IDLH refers to amounts that are "Immediately Dangerous to Life or Health"  
REL is Recommended Exposure Limit.

Engineering controls: Use with adequate ventilation and follow safe work practices to prevent dust buildup in air.

**Individual protection measures**

Wear protective gloves, protective clothing, eye protection, and face protection. Do not breath dust. Get medical attention if you feel unwell.

**Eye protection** Safety glasses, or goggles if eye contact is likely

**Skin and Body Protection** Gloves and standard work 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 Limit 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	Not an oxidizer

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not particularly reactive

**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	May irritate the digestive tract if ingested in quantity, causing nausea, vomiting and diarrhea.
Sensitization	Not a skin sensitizer.
Germ cell mutagenicity	None present at reportable quantities.
Carcinogenicity	Contains quartz silica (sand mineral) listed as IARC 2A Carcinogen by inhalation.
Reproductive toxicity	None
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Chronic toxicity	Potential for silicosis
Target Organ Effects	Lungs-inhalation of dusts; silicosis, cancer
Aspiration hazard	No information available

Chemical Name	Oral LD50	Dermal LD50	Inhalation (Dust) LC50
Dithiopyr	>5010 mg/Kg (rat)	>5000 mg/Kg (rat)	>5.98 mg/L (rat)

**12. ECOLOGICAL INFORMATION**

Fertilizers may be harmful to aquatic life with short term effects, causing algal bloom and increased BOD, depending on the amount released.

Dithiopyr is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and a mg/L in the most sensitive species tested). Dithiopyr is practically non-toxic to birds on a dietary basis (LC50 > 5000 ppm); Dithiopyr is non-toxic to birds on an acute basis (LD50 > 2000 mg/kg).

Persistence and degradability (Dithiopyr): Biodegradation may occur under aerobic conditions  
 Bioaccumulation (Dithiopyr): Bioaccumulation potential is moderate  
 Other adverse effects (Dithiopyr): Relatively immobile in soil.

Chemical Name	Birds LD50	Toxicity to Fish LC50	Aquatic Invertebrate LC50	Soil Organisms LC50
Dithiopyr (97886-45-8)	>5620 PPM (Quail)	0.48 mg/L 96 h (Trout)	0.586 mg/L ( <i>Americamysis bahia</i> )	>1000 mg/Kg (earthworm)

**13. DISPOSAL CONSIDERATIONS**

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

**Disposal of wastes:**

If wastes and/or container cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as prepared. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

**Contaminated packaging**

Do not recycle or reuse container. 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	No		

**IMDG:** Not a dangerous good.  
**ICAO/IATA:** Not a dangerous good.

**15. REGULATORY INFORMATION**

TSCA (USA): Complies

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

**Clean Air Act:** No information is available.

**Clean Water Act:** No information is available.

**SARA 313** Superfund Amendments: This product contains no chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal regulations, Part 372.

**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**

**State Right-to-Know:** Crystalline silica: CA, IL, MA, NH, NY, NJ, PA, RI  
 Dipropylene glycol (25265-71-8): PA, NJ

**California Proposition 65:** This product may contain detectable quantities of substances known to the State of California to cause cancer or birth defects.

**16. 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.