

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**Product Name: **Lebanon Dimension 0.27 G (Biodac)**

EPA No: 62719-429-961

Recommended use

This product is a mixed fertilizer/pesticide 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:**

May irritate the digestive tract if ingested.

H402: Harmful to aquatic life.

Pictogram: None

**Precautionary Statements for handling:**

P273: Avoid 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 %
Dithiopyr (herbicide)	97886-46-8	0.29
dipropylene glycol (oxydipropanol)	25265-71-8	0.5 -0.9
Nonhazardous fertilizer ingredients	Various	Balance

**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.

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 Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Wash hands thoroughly after handling.

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. 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*
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"

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 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	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 (NO<sub>x</sub>), Ammonia, Oxides of sulfur, Hydrogen chloride and Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure:</b>	Ingestion, eyes (contact), skin (contact), dust inhalation. Dermal contact and inhalation are expected to be the primary routes of exposure.
Symptoms	May irritate the digestive tract if ingested in quantity, causing nausea, vomiting and diarrhea.
Sensitization	Not a skin sensitizer (guinea pig).
Germ cell mutagenicity	No evidence of mutagenic effects during <i>in vivo</i> and <i>in vitro</i> assays.
Carcinogenicity	Not carcinogenic.

#### Acute Toxicity (Dithiopyr):

- Oral (LD50) Rat: Greater than 3600 mg/kg
- Dermal (LD50) Rabbit: Greater than 5000 mg/kg.
- Inhalation (LD50) Rat: Greater than 11 mg/L, practically nontoxic.

Reproductive toxicity	Not known to cause reproductive or birth defects at normal exposures.
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

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

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	No information available
Bioaccumulation (dipropylene glycol)	<i>Cyprinus carpio</i> (Carp) - 3 mg/l; Bioconcentration factor (BCF): 0.3 - 4.6 (OECD Test Guideline 305C)
Other adverse effects	No information available

### 13. DISPOSAL CONSIDERATIONS

**Disposal of wastes:**

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.

### 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:**

<b>Clean Air Act:</b>	No data
<b>Clean Water Act:</b>	No data
State Right-to-Know Components:	Dipropylene glycol (25265-71-8): PA, NJ
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)
	Section 313 Toxic Chemicals: None

**RCRA Status:** If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

### 16. OTHER INFORMATION

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.