Lebanon Seaboard Corporation

SAFETY DATA SHEET

Revision Date: 12/5/2016

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: **Lebanon Pro Fertilizer 13-0-5 with Dimension 0.13% contains LSN**

EPA No: 961-360

Recommended use: This product is a mixed fertilizer/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.com

Emergency telephone numbers in USA
800-233-0628 Chemtrec 1-800-424-9300 Prosar 888-208-1368

2. HAZARDS IDENTIFICATION

OSHA Signal Word: Warning
EPA Signal Word: Caution

Hazard Statements and Hazard Category:
H333: May be harmful if inhaled repeatedly over prolonged periods. (Category 5)
H351: Suspected of causing cancer by prolonged/repeated inhalation. (Category 2)
H316: May cause mild skin irritation. (Category 3)
H320: May cause eye irritation on contact (Category 2B)

Precautionary Statements for handling: See also Section 7.
P261: Avoid breathing dust.
P281: Use appropriate personal protective equipment as required to avoid breathing dust and prevent eye contact.
P308: If exposed or concerned, seek medical advice.
P332: If skin irritation occurs: Wash with soap and water.
P264: Wash hands and exposed skin thoroughly after handling.
P305, P351, P337: If in eyes, rinse cautiously with water for several minutes. If eye irritation persists: seek medical attention.
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 <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	55 - 60
Paper fiber granules (cellulose)	9004-34-6	1 - 5
Sulfur	7704-34-9	1 - 3
Dipropylene glycol	25265-71-8	0.1 - 0.5
Dithiopyr (herbicide)	97886-46-8	0.13
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. 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. Eye irritation on contact with redness, tearing and burning sensation. May irritate the digestive tract if ingested in quantity, with diarrhea, nausea, or vomiting.

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_2, 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*
Quartz silica	0.025 mg/m^3 (respirable)	(30 mg/m^3) ÷ (%SiO2 + 2)	3000 mg/m^3
Nuisance Dusts	10 mg/m^3 (TWA)	15 mg/m^3 (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, 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 CHEMCIAL 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 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. 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. Dust irritation with nasal discomfort, or skin irritation possible. Eye irritation on contact with redness, tearing and burning sensation.
Sensitization	Not a skin sensitizer (guinea pig).
Germ cell mutagenicity	No evidence of mutagenic effects during *in vivo* and *in vitro* assays.
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).

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)	*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.

14. TRANSPORT INFORMATION

DOT:	Not Regulated
Proper Shipping Name:	Non Regulated
Hazard Class:	Not Applicable
IATA:	Not Regulated
Proper Shipping Name:	Non Regulated
Hazard Class:	Not Applicable
IMDG/IMO	Not Regulated
Hazard Class	Not Applicable
Marine Pollutant	No

ADR:	Not Regulated
ADN:	Not Regulated
RID:	Not Regulated
IATA:	Not Regulated
TDG:	Not Regulated
ICAO:	Not Regulated
MEX:	Not Regulated

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
State Right-to-Know Components: Dipropylene glycol (25265-71-8): PA, NJ,
Cellulose (9004-34-6): NJ, MA, PA, IL
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
Section 313 Toxic Chemicals: None

SARA 311/312 Hazard Categories

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

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

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.