# **Lebanon Seaboard Corporation**

# SAFETY DATA SHEET

Revision Date: 09/09/2015

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: Roots Healthy Start 3-4-3

Product Identity: Mixed granular fertilizer.

Recommended use: This product is a mixed granular fertilizer for landscape use.

Supplier/Manufacturer
Lebanon Seaboard Corporation
1600 East Cumberland Street
Lebanon PA 17042

**Lebanon PA 1/042** 1-800-233-0628 1-(717-273-1685)

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

#### 2. HAZARDS IDENTIFICATION

# Signal Word: Warning

# 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)

Pictogram: Silhouette

Precautionary Statements for handling: See also Section 7.

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 also Section 13.

**Hazards not otherwise classified (HNOC):** The bacteria contained in this product are strains of typically harmless soil and water bacteria, and are not associated with disease or infection in normally healthy people under normal circumstances (Biosafety Level 1). However, reasonable precautions are in order. Use good hygiene practices. Handle as rich soil or compost. Nonporous gloves recommended. Wash hands after handling. Avoid breathing dust. Persons with severely compromised immune systems should consult with their physician before handling microbial products.

Unknown acute toxicity: 0% of the mixture consists of ingredients of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Wheat Bran	NA	33.7
Meat and Bone meal	68920-45-6	25
Rock Phosphate	65996-94-3	15
Feathermeal	NA	7
Sulfate of Potash	7778-80-5	7
Humate*	1415-93-6	5
Peanut Skin Meal	NA	3.74
Calcium lignosulfonate	8061-52-7	3.3
Seaweed Meal	84775-78-0	0.13
Maltodextrin	9050-36-6	0.12
Yucca extract	90147-57-2	0.01
Bacteria	68038-70-0	4 x10 <sup>5</sup> cfu/g

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

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#### 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.

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

<u>Indication of any immediate medical attention and special treatment needed</u>: 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.

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### 7. HANDLING AND STORAGE

Safe Handling 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. Use good hygiene practices. Handle as rich soil or compost. Nonporous gloves recommended. Wash hands after handling. Avoid breathing dust. Persons with severely compromised immune systems should consult with their physician before

handling microbial products.

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 <sup>3</sup> (respirable)	$(30 \text{ mg/m}^3) \div (\%\text{SiO2} + 2)$	3000 mg/m <sup>3</sup>
Nuisance Dusts	10 mg/m <sup>3</sup> (TWA- Total dust)	15 mg/m <sup>3</sup> (TWA total) 50 mppcf (TWA total) 5 mppcf (TWA respirable)	Not Established

<sup>\*</sup>IDLH refers to amounts that are "Immediately Dangerous to Life or Health"

Engineering controls: Use with adequate ventilation and follow safe work practices 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 standard work coveralls recommended.

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

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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
Partition coefficient
Autoignition temperature
Decomposition temperature
No information available
No information available
No information available

Oxidizing properties Not an oxidizer

# 10. STABILITY AND REACTIVITY

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#### 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

Symptoms May irritate the digestive tract if ingested in quantity, causing nausea, vomiting and diarrhea.

Sensitization Contains peanut skin meal, which may be problematic for people with severe peanut

allergies.

Germ cell mutagenicity None

Carcinogenicity Potential occupational carcinogen. Naturally mined minerals, like humate typically contain

sand (silica) at amounts ranging from 1 to 6%. Fine silica particulates are considered to be

carcinogenic via repeated and prolonged inhalation. (IARC, ACGIH)

Reproductive toxicity None

STOT - single exposure STOT - repeated exposure Chronic toxicity
Target Organ Effects
Aspiration hazard

No information available
Lungs-Silicosis, cancer
Lungs- Silicosis, cancer
No information available

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#### 12. ECOLOGICAL INFORMATION

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

Persistence and degradability Not applicable

Bioaccumulation Not expected to bioaccumulate based on composition.

### 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 non-hazardous waste material suitable for approved solid waste landfills.

No EPA Waste Numbers are applicable for this product's components.

Dispose of in accordance with Local, State, and Federal regulations.

# **Contaminated packaging**

No US Federal special packaging considerations at the date of this document. Follow local regulations.

### 14. TRANSPORT INFORMATION

DOT:Not RegulatedADR:Not RegulatedProper Shipping Name:Non RegulatedADN:Not RegulatedHazard Class:Not ApplicableADN:Not RegulatedIATA:Not RegulatedRID:Not Regulated

Proper Shipping Name: Non Regulated Hazard Class: Not Applicable IATA: Not Regulated

TDG: Not Regulated

IMDG/IMO Not Regulated
Hazard Class Not Applicable ICAO: Not Regulated

Marine Pollutant No MEX: Not Regulated

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

#### 15. REGULATORY INFORMATION

TSCA: Complies

**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 – General:** This product is not regulated by any State as a hazardous material.

**Component Analysis – State** No ingredients listed.

**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

Note: Dogs have been known to eat this product. It is not acutely toxic, and should not cause serious health issues. However, if large amounts are consumed there may be intestinal irritation causing temporary digestive disturbances such as vomiting and/or diarrhea that typically subside in a day. Treat symptoms. Consult a veterinarian if symptoms are severe or persist longer than a day.

#### 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.