



Lebanon Seaboard Corporation

SAFETY DATA SHEET

Revision Date: 07/30/2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: Lebanon Country Club 28-7-14 SOLUBLE FERTILIZER

Product Identity: Mixed granular fertilizer.

Recommended use

This product is a mixed soluble 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

Signal Word: WARNING

Hazard Statements:

H272: Contains an oxidizer. May intensify fire. (Category 3)

H320: Causes eye irritation. (Category 2B)

H302: Harmful if swallowed.

H315: Causes skin irritation. (Category 2)



Precautionary Statements for Handling:

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P220: Keep/Store away from clothing and combustible materials.

P221: Take precautions to avoid mixing with combustibles.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301, 310, 330: IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

P332, 352: If skin irritation occurs: Wash with plenty of soap and water. Seek medical advice if irritation persists.

P351: If eye contact occurs, rinse cautiously with water for several minutes.

P337: If eye irritation persists: Seek medical advice.

P362: Take off contaminated clothing and wash before reuse.

P378: Use water, CO₂, Dry chemical, or foam for fire extinction.

P380: In case of major fire involving large quantities, evacuate area.

Keep out of reach of children.

Precautionary Statements for handling: See Section 7.

Precautionary Statements for disposal - Dispose in accordance with all federal, state and local regulations.

Hazards not otherwise classified (HNO): None

Unknown acute toxicity: <1% of the mixture consists of ingredients of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	%
Urea	57-13-6	40 - 45
Potassium nitrate	7757-79-1	30 - 35
Ammonium sulfate	7783-20-2	10 - 15
Monoammonium phosphate (MAP)	7722-76-1	10 - 15
Magnesium sulfate	10034-99-8	1
Citric Acid	77-92-9	1
EDTA Fe 13, Ferric sodium EDTA	15708-41-5	0.5 - 0.9
Water	7732-18-5	0.07
Morwet EFW surfactant: Sodium alkyl naphthalene sulfonate blend	105864-15-1	0.03 - 0.05
Blue pigment	147-14-8	0.01 - 0.03

4. FIRST AID MEASURES

Eye Contact	Rinse eyes 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 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 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.

5. FIRE FIGHTING MEASURES**Suitable extinguishing media**

In case of major fire involving large quantities, evacuate area. Use extinguishing media suitable to local circumstances and the surrounding environment. Options in this case include water, CO₂, ABC Dry Chemical extinguisher, or foam. Avoid stirring up dust with extinguisher stream.

Specific hazards arising from the chemical

Contains significant amount of Potassium nitrate, an oxidizer, which can accelerate any fire or explosion situations.

Short term exposure to smoke and gases from burning or exposure to high heat may lead to irreversible lung injury without early signs and symptoms.

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	Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required to avoid breathing dusts or mists, and to prevent eye contact. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Storage Conditions	Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat/sparks/open flame/hot surfaces, from clothing, and from other combustible materials. Keep out of the reach of children.
Incompatible materials combustibles.	Avoid strong acids or alkali, or other reactive substances. Take precautions to avoid mixing with combustibles.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH*
Nuisance Dusts	10 mg/m ³ (TWA- Total dust)	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 and follow safe work practices to prevent dust buildup in air.

Individual protection measures: Wear protective gloves/protective clothing/eye protection/face protection.

Eye protection	Safety glasses, or goggles if eye contact is likely
Skin and Body Protection	Gloves and standard work coveralls recommended. Wear flame-retardant clothing.
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	Soluble in water
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Oxidizing properties	Contains an oxidizer (Potassium Nitrate)

10. STABILITY AND REACTIVITY

Reactivity

Contains an oxidizer.

Chemical stability

Stable under normal conditions. Contains an oxidizer. Can intensify fire.

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, and product contains an oxidizer.

Incompatible materials

Strong acids or alkali, reducing materials, 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	No information available.
Germ cell mutagenicity	No information available
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by IARC, NTP, ACGIH or OSHA. However, substances similar to EDTA (Nitrilotriacetic acid [NTA] and its salts) were determined to be "possibly carcinogenic to humans" (Group 2B) by IARC, a compound which "may reasonably be anticipated to be a carcinogen" by NTP and a "select carcinogen" by OSHA. EDTA may contain trace amounts of NTA.
Reproductive toxicity	No information available
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.

Persistence and degradability	No information available
Bioaccumulation	No information available
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 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

Required Labels: Contains potassium nitrate: oxidizer labels are required for air, water, and international shipment. None required for domestic land shipment.

DOT (US), IDMG, and IDTA: UN number: 1486; Class: 5.1; Packing group: III

15. REGULATORY INFORMATION

SARA 302 Extremely Hazardous Substances /CERCLA Hazardous Substances: Not Listed

SARA Title III, Section 311/312 Hazard Classes

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	Yes (Oxidizer)
Release of Pressure	No
Reactive hazard	Oxidizer

SARA 313 Toxic Chemicals

N511 Nitrate compounds (water dissociable: only reportable when in aqueous solution)

SARA 313 Components: The following components are subject to reporting levels established by SARA Title III, Section 313:

Potassium nitrate (7757-79-1) SARA 313:

- 1 % *de minimis* concentration (Chemical Category N511) (related to Water Dissociable Nitrate Compounds)

SARA 311/312 Hazards: Potassium Nitrate-Reactivity Hazard, Fire hazard, Delayed (chronic) health hazard.

US State Regulations

California Prop. 65 Components: This product contains EDTA. A related product, Trisodium NTA, is known to the state of California to cause cancer. EDTA may contain trace amounts of NTA.

Clean Air Act: No information is available.

Clean Water Act: No information is available.

Component Analysis – State Potassium nitrate on the state Right-to-Know list for MA, NJ and PA.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

16. OTHER INFORMATION

NFPA 704: **Health: 1** **Fire: 0** **Reactivity: 1** **Special: Oxidizer**

Scale: 0 is no hazard, up to 4 for severe hazard.

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.