

# Material Safety Data Sheet

## Lebanon Par Ex® 24-4-12 Controlled-Release Fertilizer

Lebanon Turf Products  
 A Division of Lebanon Seaboard Corporation  
 1600 East Cumberland Street  
 Lebanon, PA 17042

In case of emergency call:  
 CHEMTREC 1-800-424-9300  
 Non-emergency calls:  
 1-717-273-1685

### Section One – Material Identification

Product Name: Lebanon Par Ex® 24-4-12 Controlled-Release Fertilizer  
 Analysis: 24-4-12  
 Product Code: 22-56019

**NFPA Hazard Ratings**  
 Health 1 (Slight)  
 Flammability 0 (Least)  
 Reactivity 0 (Least)

### Section Two – Hazardous Components

<u>Component Material</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Diammonium Phosphate	7783-28-0	None	None
Isobutylidene Diurea	6104-30-9	None	None
Urea	57-13-6	None	None
Potassium Sulfate	7778-80-5	None	None
Iron Oxide	1309-37-1	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Magnesium Oxide	1309-48-4	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Nuisance Dust	N/A	15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> (respirable)

### Section Three – First Aid Procedures

**Eyes:** Flush with water for 15 minutes holding eyelids open. Get medical attention if irritation persists  
**Ingestion:** Never give anything by mouth to an unconscious or convulsing person. Have conscious person drink one to two glasses of water, then induce vomiting until vomit is clear. Call physician.  
**Skin:** Wash completely and thoroughly. If irritation develops, consult a physician.  
**Inhalation:** Remove to fresh air. Treat symptomatically.

### Section Four – Health Hazard Information

**Summary of Risks:** Possible skin or eye irritation, nausea, vomiting, or diarrhea.  
**Primary Entry Route(s):** Ingestion, inhalation  
**Acute Effect(s):** See summary  
**Chronic Effect(s):** None known  
**Medical conditions which may be aggravated by contact:** Inhalation of dust may aggravate asthmatic condition. Skin abrasions and sores.  
**Ingredients Listed as a Carcinogen:** IARC Monographs: Iron Oxide Group 3 (not a human carcinogen)  
 NTP: No  
 OSHA: No

### Section Five – Personal Protection and Precautions

#### Personal Protective Equipment

**Goggles:** Not required for normal use as fertilizer but suggested as means of avoiding contact with eyes.  
**Gloves:** Not required for normal use as fertilizer.  
**Respirator:** If airborne dust levels are high, use of a NIOSH/MSHA approved respirator is recommended.

#### Workplace Considerations

**Ventilation:** Adequate ventilation recommended when potential for dust is high.  
**Safety Stations:** Running water should be available in case of eye contact.

## Lebanon Par Ex® 24-4-12 Controlled-Release Fertilizer, page 2 of 2

### Section Six – Physical Hazard Information

#### Fire and Explosion

Flash Point (Test Method): N/A      Flammable Limits (% in Air): N/A      Auto Ignition Temperature: N/A

#### Physical Properties

Appearance: Granular      Melting Point: N/A      Boiling Point: N/A  
Solubility in Water: N/A      Specific Gravity: N/A      Vapor Pressure: N/A  
Evaporation Rate: N/A

#### Reactivity

Stability: Stable  
Hazardous Polymerization: Will not occur  
Conditions to Avoid: None known  
Hazardous Decomposition Products: Urea and urea/aldehyde condensation products can generate ammonia in a fire. Oxides of nitrogen, carbon, sulfur, and potassium may also be produced.  
Chemical Incompatibilities: None known  
Unusual Fire, Explosion, and Reactivity Hazards: Urea and urea/aldehyde condensation products can generate ammonia in a fire. Oxides of nitrogen, carbon, sulfur, and potassium may also be produced.  
In Case of Fire: Evacuate area. Flood with water to cool containers. Wear self-contained breathing apparatus. Contain run-off as it may be toxic to aquatic organisms.  
Extinguishing Media: CO<sub>2</sub>, dry chemical, water fog, or foam.

### Section Seven – Regulatory Information

DOT Classification: Not DOT regulated

### Section Eight – Storage and Special Precautions

#### Precautions to be taken in handling and storage

Consult product label. Keep out of reach of children. Avoid bag breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water when disposing of equipment washwaters. Keep out of lakes, streams, or ponds. Store in a clean, dry place. Reseal opened bag(s) by folding top down and securing. Use only clean, dry spreaders. Do not store unused product in spreaders.

In Case of Spills: Sweep up spills. Avoid contact with skin, eyes, or clothing. Wash after handling.

Waste Management/Disposal: Dispose of on-site per label instructions or remove to approved landfill.

Date Revised: December 10, 2000

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES: The information contained herein is, to the best of Lebanon's knowledge and belief, accurate and reliable as of the date of preparation or revision. However, no warranties or representations are made concerning the accuracy or completeness of the information and no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Users should determine the degree of suitability of the information for their particular purpose. Lebanon shall not be liable for any damage or injury resulting from abnormal use of product or from failure to adhere to recommended practices or from any hazards inherent in the nature of the product.