

Lebanon Seaboard Corporation
1600 East Cumberland Street
Lebanon, PA 17042

Telephone number: 800-233-0628 Fax: 800-806-8580
 Emergency Contact: 888-208-1368 PROSAR CHEMTREC: 1-800-424-9300

Material Safety Data Sheet

Date: January 4, 2010

SECTION I—PRODUCT IDENTIFICATION

NAME:-Roots TurfVigor® 9-3-6

DOT CLASS: Not regulated
UN NUMBER: NA
PROPER SHIPPING NAME: NA

HMIS RATING & CANADIAN WHMIS CLASSIFICATION

HEALTH	1	CANADIAN WHMIS CLASSIFICATION:	D 2 B
FIRE	0		
REACTIVITY	0		

SECTION II - INGREDIENTS

ALL COMPONENTS APPEAR ON THE TSCA INVENTORY AND CANADIAN DSL. COMPONENTS NOT LISTED IS EITHER NON HAZARDOUS OR IN CONCENTRATIONS OF LESS THAN 1%.

Ingredient Name	CAS Number	Range % (W/W)	NIOSH	ACGIH
Viable bacterial cultures	NA		NA	NA
Water	7732-18-5	40-50%	NA	NA
Potassium Hydroxide	1310-58-3	1-3%	2mg/m3	2mg/m3 CANADA Ceiling 2mg/m3
Carbamide (urea)	57-13-6	18-21%	NA	NA
Potassium Thiosulfate	10294-66-3	8-11%	NA	NA
Monopotassium phosphate	7778-77-0	6-8%	NA	NA
Ethylenediaminetetraacetic Acid, Sodium iron	Mixture Containing 15708-41-5 (Ferric sodium salt EDTA 2 H2O) 5064-31-3 (Trisodium nitrilotriacetate) 7732-18-5 (water)	3-5%	NA	NA

Lebanon Seaboard Corporation
1600 East Cumberland Street
Lebanon, PA 17042

Telephone number: 800-233-0628 Fax: 800-806-8580
Emergency Contact: 888-208-1368 PROSAR CHEMTREC: 1-800-424-9300

SECTION III – PHYSICAL CHARACTERISTICS

Boiling Point	100 °C	Appearance and Odor	Dark brown liquid, slight odor.
Specific Gravity	Approximately 1.0	Melting Point	NA
PH	7.0 – 7.5	Vapor Density	Equivalent to water.
Vapor Pressure	Equivalent to water.	Solubility	Complete

SECTION IV – FIRE/EXPLOSION

Flash Point:	NA
Flash Point Method Used:	NA
LEL:	NA
UEL:	NA

Extinguishing Media: Water spray, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None Known.

SECTION V – REACTIVITY DATA

Stable: X **Unstable:**

Incompatibility: Strong acids or alkali compounds may inactivate biological cultures.

Hazardous Decomposition or By Products: Not Known.

Hazardous Polymerization: Will not occur.

SECTION VI – HEALTH HAZARD DATA

Acute Health Affects

Routes of Entry:	Inhalation: Yes	Absorption: Yes	Ingestion: Yes	Eyes: Yes
-------------------------	------------------------	------------------------	-----------------------	------------------

The microorganisms used in this product are Class 1 microorganisms. Class 1 microorganisms are defined by the Centers for Disease Control as not likely to cause disease in healthy humans and animals. However, persons who

**Lebanon Seaboard Corporation
1600 East Cumberland Street
Lebanon, PA 17042**

Telephone number: 800-233-0628 Fax: 800-806-8580

Emergency Contact: 888-208-1368 PROSAR CHEMTREC: 1-800-424-9300

have a compromised Immune System should avoid contact with open wounds and/or breathing dust or mist from manufacturing processes.

Eyes: This product may cause eye irritation.

Skin Contact: Slight redness on hands and forearms if individual has a history of dermal allergic reaction. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with human skin.

Inhalation: Inhaling mist from this product may cause irritation to the lungs and mucus membranes.

Ingestion: Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.

Signs and Symptoms of Over Exposure: None Known

Aggravated Medical Conditions: None known, however persons with respiratory problems should avoid breathing mist from this product.

Emergency First Aid Procedures

Eye Contact: Rinse eyes with water for fifteen minutes, if irritation persists, see a physician.

Inhalation: Move person to fresh air and avoid breathing mist from product. If breathing problems develop, seek the care of a physician.

Skin Contact: Wash the product off the skin with soap and water; if irritation develops seek the care of a physician.

Ingestion: Do not induce vomiting, if victim is choking clear airway and seek medical attention.

SECTION VII – SPILL OR LEAK PROCEDURE

Steps to be taken in case material is spilled or leaked:

Waste Disposal Method: Contain and collect material, place in proper container for reuse or disposal. Dispose of materials in accordance with all federal, state and local laws.

Precautions To Be Taken In Handling and Storage: Store in a location away from children, food items and potable water.

Store in an area out of the direct sunlight, keep container closed when not in use.

Always wash hands with soap and water before handling food or smoking.

Use good chemical hygiene practices when working with any chemical.

Other Precautions: If used in a spraying application, avoid breathing any mist from the product.

SECTION VIII – CONTROL MEASURES (PPE)

Lebanon Seaboard Corporation
1600 East Cumberland Street
Lebanon, PA 17042

Telephone number: 800-233-0628 Fax: 800-806-8580

Emergency Contact: 888-208-1368 PROSAR CHEMTREC: 1-800-424-9300

Respiratory Protection: None required for recommended use, however, avoid creating aerosols in poorly ventilated areas.

Protective Gloves: Recommended. Disposable nitrile exam gloves are suitable for preventing prolonged contact with the skin.

Eye Protection: Safety glasses with side shields are recommended.

Other Protective Clothing: None required, however, avoid prolonged contact with the skin from soiled clothing.

Ventilation: Local exhaust should be sufficient. Avoid creating mist from the product. If used in a manner that creates mist, mechanical ventilation may be necessary.

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal, state and local laws.