

MATERIAL SAFETY DATA SHEET

Section 1 – Material Identification and Use

Material Name: LockDown™ Postemergence Biological Herbicide

Manufacturer's Name: Natural Industries, Inc.
Address: 6223 Theall Rd
Houston, TX 77066

Emergency Telephone Number: 281-580-1643
Telephone Number for Information 281-580-1643
Date Prepared: June 13, 2007

Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	Approximate concentration %	C.A.S. numbers	OSHA PEL
Viable spores of <i>Colletotrichum gloeosporioides f.sp. aeshynomene</i>	45%	N/E	N/E
Inert Carrier	55%	Proprietary	See below

Section 3 - Physical/Chemical Characteristics

Boiling Point	Not Applicable	Bulk Density	N/E
Vapor Pressure (mm Hg.)	Not Applicable	Melting Point	Not Applicable
Vapor Density (Air = 1)	Not Applicable	Evaporation Rate	Not Applicable

Solubility in Water: Insoluble

Appearance and Odor: Tan to orange free-flowing powder or fine granular with musty odor

Section 4 - Fire and Explosion Hazard Data

Flash Point: Not Applicable Flammable Limits: Not Applicable LEL : N/A UEL : N/A

Extinguishing Media: Not Applicable

Special Fire Fighting Procedures: Evacuate personnel to a safe area. Keep personnel remove and upwind of fire. Wear self-contained breathing apparatus and full protective equipment.

Section 5 - Reactivity Data

Stability: Stable under normal recommended storage and handling conditions

Incompatibility (Materials to Avoid): Fungicides, Hydrofluoric Acid

Hazardous Decomposition or Byproducts: Not Applicable

Hazardous Polymerization: Will not occur.

Section 6 - Health Hazard Data

Health Hazards: Active ingredient has no known acute effects based on animal studies. Overexposure to the inert component (carrier) in this product may cause transitory upper respiratory tract irritation or eye irritation.

Chronic Hazards / Carcinogenicity: Active ingredient is not listed as a carcinogen by NTP, OSHA, or ACGIH.

The proprietary inert carrier for this product contains varying amounts of a naturally occurring mineral component found in sands and clays. This component, exposed to in respirable form, has been listed as a group 2 carcinogen by NTP and a group 1 carcinogen by the IARC. Long term exposure can also lead to silicosis, a chronic, non-cancerous lung disease.

Based on the minute amounts of both the respirable and nonrespirable parts of the inerts, it is not considered problematic but only a nuisance or irritant. The exposure limits to be problematic are ACGIH TLV=.05 mg/M³. OSHA PEL=5 mg/M³. OSHA PEL for total dust exposure=30 mg/M³

Medical conditions which may be aggravated by dust: Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma

Target Organ(s) : Lungs

Primary Entry Route(s) : Inhalation

Section 7 - Emergency and First Aid Procedures

Eyes: In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion: If swallowed, call a physician. Give copious amounts of water to drink. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water immediately. Get medical attention if irritation develops.

Section 8 - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Contain and dispose of in accordance with Federal, State, and local regulations

WASTE DISPOSAL METHOD: Use solid waste disposal common to landfill type operations or in slurry to sumps. Not considered a hazardous waste.

HANDLING AND STORAGE: Avoid creating dust. Avoid long term exposure to dust. Keep dust exposure below the listed limits. Store in a cool dry place in original package. Securely close opened bags containing formulated product. Vacuum clean dust with equipment fitted with a HEPA filter and/or use a dust suppressant such as water if sweeping is necessary.

Section 9 - Control Measures

Respiratory Protection: Use with adequate ventilation to prevent accumulation of dust. All mixer/loaders and applicators must wear a dust/mist-filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, P, R, or HE filter.

Protective Gloves: Use rubber gloves

Eye Protection: Goggles or glasses with side shields to protect from dust

Other Protective Clothing or Equipment: Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.

Hygienic Practices: Avoid contact. Use only with adequate ventilation. Keep container tightly closed.

Section 10 – Toxicological Information

The active ingredient in this product has no known toxic properties to humans or animals.

The inert carrier contains a mineral ingredient that is listed by IARC as a group 1 carcinogen and by the NTP as a group 2 carcinogen. In addition, long term exposure can lead to silicosis, a noncancerous lung disease. It should also be noted that the ingredient found is common to the environment and in the minute amounts found in this product is only considered a nuisance or potential irritant and not hazardous.

Section 11 – Ecological Information

The active ingredient in this product has no known ecological issues and is considered inert in the environment.

The inert carrier is also considered to be environmentally inert.

Section 12 – Disposal Considerations

Use solid waste disposal common to landfill type operations or in slurry to sumps. Not considered a hazardous waste. State and local regulations may vary. Consult local agencies as needed.

Section 13 – Transportation

This product does not require special transportation conditions.

Prepared by: Kelly Cartwright President

At the date listed on this MSDS, the information presented is believed to be accurate based on the information available and is given in good faith to comply with all federal, state and local law(s). No warranty, representation or the like, however, is intended to be given.