

MSDS Document

Product Lactrol

1. Chemical Product and Company Identification

Product Lactrol

MSDS ID 2210

Phibrochem
65 Challenger Road
Ridgefield Park, NJ 07660

Phone Number

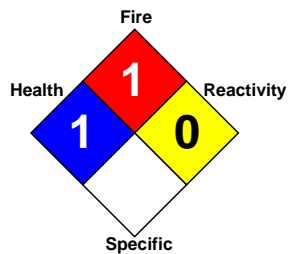
(201) 329-7300

Emergency Phone

CHEMTREC (800) 424-9300

CHEMTREC International (703) 527-3887

Revision Date 10/21/2008



2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
INERT MATERIAL	-- --- ----	Trade Secret %	10/3 mg/m3 *	15/5 mg/m3 *	
VIRGINIAMYCIN	11006-76-1	Trade Secret %	10/3 mg/m3*	15/5 mg/m3*	

* = Dust Particulates,
not otherwise regulated.
(Total dust/Respirable)

3. Hazard Identification

Powdered material may form explosive dust-air mixtures.

Ingestion

May cause irritation to the gastrointestinal tract.

Eye

May cause slight irritation.

Inhalation

Dust may be slightly irritating to eyes and respiratory tract.

Skin

Prolonged or repeated skin contact may cause irritation.

4. First Aid Information

Eye

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash (or discard) clothing and shoes before reuse.

Inhalation

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammable Properties

Material will burn in a fire. Dusts at sufficient concentrations can form explosive mixtures with air.

Extinguishing Media

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Remove containers from fire area if it can be done safely. Continue to cool containers until well after fire is extinguished.

Fire fighting instructions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Direct water stream may create dust explosion hazard.

6. Accidental Release Measures

Clean-up

Vacuum or sweep up material and place in a disposal container. Absorb spill with inert

material (e.g., dry sand or earth), then place in a chemical waste container. Reduce airborne dust and prevent scattering by moistening with water. Do not flush to sewer.

7. Handling and Storage

Handling

Minimize dust generation and accumulation. May form flammable dust air mixtures. Wash thoroughly after handling. Use with adequate ventilation. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing. Empty containers retain product residue and vapors. Do not cut, drill, grind, or weld on or near container.

Storage

Store in a cool place in original container and protect from sunlight. Keep away from heat, sparks, and flame. Store away from incompatible materials. Keep container closed when not in use. Keep away from food and drinking water.

8. Exposure Controls and Personal Protection

Engineering controls

If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Respirators

A NIOSH-approved air purifying respirator with the appropriate cartridge or canister for the hazards may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Other clothing

Wear safety glasses with side shields (or goggles) and a face shield. Use gloves, and other body coverings, recommended for this material by manufacturers or suppliers based on test data showing adequate permeation and penetration resistance.

9. Physical and Chemical Properties

Physical State	Solid, Powder
Color/Appearance	Light Brown/Tan
Odor	Characteristic
Solubility	Slight

10. Stability and Reactivity

Low hazard for usual industrial or commercial handling.

Thermal Stability

Stable under normal conditions of use and storage.

Incompatibility

Strong oxidizers.

Conditions to Avoid

Incompatibles. Exposure to heat.

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Carbon dioxide and carbon monoxide may form when heated to decomposition. Thermal decomposition releases oxides of nitrogen.

11. Toxicological Information

There is no experimental toxicity data for this product. Refer to the data listed below for relative toxicity assessment.

Carcinogen

NTP: No

IARC: No

OSHA: No

Toxicity Data:

TOXICITY DATA: (100% VIRGINIAMYCIN)

Oral Toxicity: LD50: 2100 Mg/Kg (Mouse)

Intraperitoneal Toxicity: LDLo: 450 Mg/Kg (Mouse)

Subcutaneous Toxicity: LD50: 2500 Mg/Kg (Mouse)

12. Ecological Information

Keep out of waterways.

13. Disposal Considerations**Disposal Method**

Dispose in accordance with applicable federal, state, local environmental and regulatory requirements.

14. Transportation Information

DOT Hazard Class: Not DOT Regulated

Hazardous Ingredients: NA

Identification Number: NA

Packing Group: NA

Label: NA

DOT Shipping Name:

Lactrol

15. Regulatory Information

Toxic Substances Control Act(TSCA)

Virginiamycin is not on TSCA inventory. Material exempt from TSCA for R&D purposes. It is the responsibility of the user to determine if end-use is exempt from TSCA registration to contact us before commercialization to seek TSCA registration.

Superfund Reportable Quantity(RQ)

Not Regulated.

Hazardous Waste No.

Not Regulated.

Sara Title III (Section 313)

Please check with the appropriate agency.

State Lists

Particulates and nuisance dusts may be listed for reporting or disclosure in the states of California, Illinois, Indiana, Kentucky, Minnesota, New Jersey, North Carolina, Oregon or Rhode Island . Please check with the appropriate state agencies.

For States Not Listed

Please check with the appropriate agencies.

California Proposition 65 Warning

This product may contain chemicals known to the state of California to cause cancer, or birth defects or other reproductive harm.

Canadian Lists

DSL/NDSL

Some of the ingredients are on the Domestic Substances List.

WHMIS

Not listed on the ingredient disclosure list. Please check with the appropriate agencies.

16. Other Information

All information presented herein is given in good faith and is based on sources and tests considered to be reliable, but cannot be guaranteed. It is the user's full responsibility to accept risk for the safety, toxicity, handling, storage, and use of the product, as well as to determine the suitability of the product for a specific purpose. We make no warranty as to the results to be obtained in using the product; therefore all risks must be assumed by the user.