

MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity:	Veratox for Aflatoxin M1		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.:	517/372-9200
	620 Leshar Place	Fax No.:	517/372-0108
	Lansing, MI 48912	e-mail:	foodsafety@neogen.com
Date Prepared or Revised: September 2013	Chemtrec: (800) 424-9300 Outside US and Canada: (703) 527-3887		

Section 2. Composition / Information on Hazardous Ingredients			
This product is a mixture of the substances listed below with the addition of nonhazardous materials.			
Hazardous Components Specific Chemical Identity:	CAS-No.	%	Hazard Symbol
Gentamycin (conjugate)	1405-41-0	3%	Xi (Irritant)
Amphotericin B (conjugate)	1397-89-3	3%	Xi (Irritant)
Sodium Phosphate (Wash Buffer)	7558-79-4	3.1%	Xi (Irritant)
Sodium Chloride	7647-14-5	20.1%	Xi (Irritant)

Section 3. Health Hazard Identification	
Health Hazards: <i>(Acute and Chronic)</i>	Information pertaining to particular dangers for man and environment. R 36 / 37 / 38, Irritating to eyes, respiratory system, and skin.

Section 4. First Aid Measures	
Emergency / First Aid Procedures:	<p>Ingestion: If swallowed, seek medical attention immediately. Wash out mouth with water, provided person is conscious. Show physician product label. Never give anything by mouth to an unconscious person.</p> <p>Inhalation: If inhaled, supply fresh air or oxygen. Seek medical attention immediately. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen.</p> <p>Eye Contact: Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention immediately.</p> <p>Skin Contact: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Wash clothing before reuse.</p>

Section 5. Fire and Explosion Hazard Data	
Flash Point (Method Used): Closed Cup N/A	Flammable Limits: LEL – N/A UEL – N/A
Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.	
Protective Equipment: Firefighters should wear protective equipment and self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases may be produced.	

Section 6. Accidental Release Measures

Personal Precautions: Wear suitable protective clothing, gloves, and eye protection. Wear self-containing breathing apparatus, rubber boots, and heavy rubber gloves. Place contaminated material in a chemical waste container.

Environmental Precautions: Do not let product enter drains.

Clean-up Methods: Contact safety officer if questions arise and ventilate area.

Section 7. Handling and Storage

Handling: Protect against physical damage. Ensure good ventilation / exhaustion and do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched.

Storage: Keep container tightly closed. Storage area should be cool, dry, and away from incompatible materials. Containers of this material may be hazardous when empty since they retain product residues. Store 2-8°C.

Other Precautions: Keep respiratory protective device available.

Section 8. Exposure Controls / Personal Protection

Components with limit values that require monitoring:

Not Applicable

OSHA-PEL: N/A

TLV: N/A

Additional Information: Personal Protection listed below are general requirements for laboratory personnel. Follow the usual precautionary measures for handling chemicals / powder. Avoid contact with eyes, skin, and clothing. In the event of use above flash point, use in closed systems. Do not use compressed air by filling, discharging or handling the product. Proper ventilation required. Safety shower and eye bath. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment:

Keep away from food, beverages, and feed.
Wash hands before and after entering laboratory.

Breathing Equipment: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hand Protection: Use chemical resistant gloves.

Eye Protection: Wear safety glasses.

Body Protection: Wear lab coat or other protective work clothing.

Section 9. Physical and Chemical Properties

Appearance and Odor: N/A

Boiling Point: Not determined

Melting Point: Not determined

Density: Not determined

Section 10. Stability and Reactivity			
Stability:	Unstable		Conditions to Avoid: Stable under normal storage conditions.
	Stable	X	
Incompatibility (Materials to Avoid): Incompatible with strong oxidizing agents, strong acids			
Hazardous Decomposition or Byproducts: Carbon oxides, Nitrogen Oxides, Sulphur oxides, oxides of phosphorus, hydrogen chlorine gas, sodium oxides			
Hazardous Polymerization:	May Occur		Conditions to Avoid: Incompatible materials.
	Will Not Occur	X	

Section 11. Toxicological Information	
LD/LC50 values that are relevant: LD ₅₀ ORAL-RAT: 3,550 mg/kg (Sodium Chloride)	
Carcinogenicity Classification: Not Applicable IARC (International Agency for Research on Cancer) – Not Listed NTP (National Toxicology Program) Not Listed	
Eye: Produces irritation.	
Ingestion: May cause gastrointestinal irritation.	
Inhalation: Irritant if inhaled, coughing possible and breathing difficulties may be observed.	
Chronic: Prolonged or repeated skin contact may cause dermatitis.	

Section 12. Ecological Information	
Ecotoxicity Tests: The ecological effects have not been thoroughly investigated, but currently none have been identified.	

Section 13. Disposal Considerations	
Waste Disposal Method: Dispose in accordance with all applicable federal (40 CFR 261.3), state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material if questions arise.	
Container Information: Do not remove labels from containers until they have been cleaned.	

Section 14. Transport Information	
DOT Regulations: Not Regulated	
Land Transport ADR/RID (cross-border) Not Regulated	
Maritime Transport IMDG: Not Regulated	
Air Transport ICAO-TI and IATA-DGR: Not Regulated	

Section 15. Regulatory Information**EU Regulations, Hazard Symbol(s):****Gentamycin:** Xi (Irritant)**Amphotericin B:** Xi (Irritant)**Sodium Phosphate:** Xi (Irritant)**Sodium Chloride:** Xi (Irritant)**Risk Phrases:**

R 36 / 37 / 38, Irritating to eyes, respiratory system, and skin.

SARA 311/312

Acute Health Hazard, Chronic Health Hazard

State Right-to-Know

Pennsylvania

Gentamicin CAS No. 1405-41-0

Amphotericin B CAS No. 1397-89-3

Disodium hydrogenorthophosphate CAS No. 7558-79-4

Sodium Chloride CAS No. 7647-14-5

New Jersey

Gentamicin CAS No. 1405-41-0

Amphotericin B CAS No. 1397-89-3

Disodium hydrogenorthophosphate CAS No. 7558-79-4

Sodium Chloride CAS No. 7647-14-5

Massachusetts

Disodium hydrogenorthophosphate CAS No. 7558-79-4

Section 16. Other Information

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.