

# MATERIAL SAFETY DATA SHEET

Product Name: VersaTREK® Myco AS

MSDS #: L-MSDS7114-4

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## Section 1: Product and Company Information

**Product Name:** VersaTREK® Myco AS  
**Product Code:** 7114-42

**Manufacturer:** TREK Diagnostic Systems  
982 Keynote Circle, Suite 6  
Cleveland, OH 44131

**European:** Trek Diagnostic Systems  
Imberhorne Lane, East Grinstead  
West Sussex, UK, RH19 1QX UK  
Telephone No. 44-1342-318777

**Phone Number:** (800) 871-8909

**Fax:** (216) 351-5456

**24-hour Emergency:** (800) 642-7029

## Section 2: Composition and Ingredient Information

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS/E LINCS</u>	<u>Wt. %</u>	<u>Symbol</u>	<u>*R-phrases</u>
Sodium Desoxycholate	3,12-dihydroxy-cholan-24-oic acid, monosodium salt	302-95-4	206-132-7	0.7	Xn	R22, R37
Azlocillin, sodium	Monosodium azlocillin	37091-65-9	253-347-7	0.9	Xn	R22
Amphotericin B	Amphotericin B	1397-89-3	215-742-2	1.4	T	R25, R36/37/38
Benzene	Cyclohexatriene	71-43-2	200-753-7	<1.7	T; F	R11, R45, R48, R23/24/25
Polymyxin B sulfate	Polymyxin B sulfate	1405-20-5	215-744-7	1.8	Xn	R22
Nalidixic Acid	1-ethyl-7-methyl-4-oxo-1,4-dihydro-1,8-naphthyridine-3-carboxylic acid	389-08-2	206-864-7	4	Xn	R22, R40
Fosfomycin, disodium	1,2-epoxypropyl-phosphonic acid, disodium salt (1R, 2S)	26016-99-9	247-409-2	5.1	Xn	R22
Methyl vinyl ether/maleic anhydride copolymer	2,5-Furandione, polymer with methoxyethene	9011-16-9	Not listed	84.4	Not available	Not available

\* See Section 16 for the full text of the R-phrases declared above.

**Note:** See Section 8 of this MSDS for exposure limit data for these ingredients.

## Section 3: Hazards Identification

**Appearance, Color and Odor:** Solid, yellow, crystalline, caked powder (freeze-dried)

**Primary Route(s) of Exposure:** Inhalation, ingestion, skin, eyes.

**Potential Health Effects:** **ACUTE (short term):** see Section 8 for exposure controls

**Inhalation:** May cause allergic reaction.

**Ingestion:** May cause allergic reaction.

**Skin:** Frequent or prolonged contact may cause allergic reaction.

**Eyes:** May cause allergic reaction.

**CHRONIC (long term):** see Section 11 for additional toxicological data

Target organs: Blood, eyes and central nervous system have been affected by Nalidixic acid. Kidneys have been affected by Amphotericin B.

May cause harm to the unborn child based on Nalidixic acid content.

The NTP has found clear evidence of carcinogenicity in rats for Nalidixic acid.

Amphotericin B is a possible mutagen.

**Medical Conditions**

**Aggravated by Exposure:** None.

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## Section 4: First Aid Measures

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.

**Eye Contact:** Rinse immediately with plenty of water and seek medical advice.

**Skin Contact:** Wash immediately with plenty of water, and seek medical advice if symptoms arise.

**Ingestion:** Seek medical advice immediately and show this container.

## Section 5: Fire Fighting Measures

**Flash Point and Method (°F):** Not considered to be a fire hazard.

**Flammability Limits (%):** Not applicable.

**Auto Ignition Temperature (°F):** Not applicable.

**Extinguishing Media:** Use appropriate extinguishing media for surrounding material.

**Unusual Fire and Explosion Hazards:** Emits toxic fumes under fire conditions.

**Fire Fighting Instructions:** Wear self-contained breathing apparatus, and protective clothing to prevent contact with eyes and skin.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, nitrogen oxides, phosphorous oxides, sulphur oxides.

## Section 6: Accidental Release Measures

**Air Release:** Avoid creating dust clouds.

**Land Spill:** While wearing protective equipment, sweep up and place in a container for proper disposal.

**Water Spill:** Completely soluble in water.

## Section 7: Handling and Storage

**Storage Temperature:** 2 – 8 °C

**Storage Pressure:** Not applicable.

**General:** Keep container tightly closed and store in a cool, dry place. Use a chemical fume hood to rehydrate.

## Section 8: Exposure Controls and Personal Protection

<u>Ingredient</u>	<u>ACGIH TLV</u> <u>(8-hr. TWA)</u> <u>(mg/m<sup>3</sup>)</u>	<u>U.S. OSHA PEL</u> <u>(8-hr. TWA)</u> <u>(mg/m<sup>3</sup>)</u>	<u>UK OEL</u> <u>(8-hr. TWA)</u> <u>(mg/m<sup>3</sup>)</u>
Sodium Desoxycholate	Not established	Not established	Not established
Azlocillin, sodium	Not established	Not established	Not established
Amphotericin B	Not established	Not established	Not established
Benzene	0.5 ppm	1 ppm	30
Polymyxin B sulfate	Not established	Not established	Not established
Nalidixic Acid	Not established	Not established	Not established
Fosfomycin, disodium	Not established	Not established	Not established
Methyl vinyl ether/maleic anhydride copolymer	Not established	Not established	Not established

**Engineering Controls:** Provide general and/or local exhaust ventilation to control airborne concentrations below the recommended exposure guideline.

### Personal Protection:

**Respiratory Protection:** Use a NIOSH/MSHA approved respirator to protect from dust exposures.

**Skin Protection:** Chemical resistant gloves and body-covering clothing to prevent contact. Nitrile or neoprene gloves recommended.

**Eye Protection:** Safety goggles.

**Other:** None.

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### Section 9: Physical and Chemical Properties

<b><u>Physical State:</u></b>	Solid	<b><u>Vapor Pressure:</u></b> <b><u>(mm Hg @ 20°C)</u></b>	Not applicable.
<b><u>Appearance:</u></b>	Yellow, crystalline, caked powder (freeze-dried)	<b><u>Vapor Density:</u></b> <b><u>(Air = 1)</u></b>	Not applicable.
<b><u>pH:</u></b>	9.0 - 10.5 when rehydrated with 25 ml of water	<b><u>Solubility in Water:</u></b>	Complete
<b><u>Specific Gravity:</u></b> <b><u>(water = 1)</u></b>	Not applicable.	<b><u>Water / Oil distribution coefficient:</u></b>	Not available.
<b><u>Boiling Point:</u></b>	Not applicable.	<b><u>Odour Type:</u></b>	Odourless.
<b><u>Freezing Point:</u></b>	Not applicable.	<b><u>Evaporation Rate:</u></b> <b><u>(n-Butyl Acetate = 1)</u></b>	Not applicable.
<b><u>Viscosity:</u></b>	Not applicable.	<b><u>Other:</u></b>	None.

### Section 10: Stability and Reactivity

<b><u>Stability:</u></b>	Stable.
<b><u>Incompatible Materials and Conditions to Avoid:</u></b>	Incompatible with strong oxidizing or reducing agents. Protect from light and moisture.
<b><u>Hazardous Decomposition Products:</u></b>	Carbon monoxide, carbon dioxide, nitrogen oxides, sulphur oxides, phosphorous oxides.
<b><u>Hazardous Polymerization:</u></b>	Will not occur.
<b><u>Other Reactivity Concerns:</u></b>	None.

### Section 11: Toxicological Information

**Carcinogenicity:** The table below indicates whether or not each agency has listed each ingredient as a carcinogen.

<b><u>Ingredient</u></b>	<b><u>ACGIH</u></b>	<b><u>IARC</u></b>	<b><u>NTP</u></b>	<b><u>OSHA</u></b>
Sodium Desoxycholate	Not listed	Not listed	Not listed	Not listed
Azlocillin, sodium	Not listed	Not listed	Not listed	Not listed
Amphotericin B	Not listed	Not listed	Not listed	Not listed
Benzene	A1	1	Known	Known
Polymyxin B sulfate	Not listed	Not listed	Not listed	Not listed
Nalidixic Acid	Not listed	Not listed	Clear evidence (rat)	Not listed
Fosfomycin, disodium	Not listed	Not listed	Not listed	Not listed
Methyl vinyl ether/maleic anhydride copolymer	Not listed	Not listed	Not listed	Not listed

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<u>Ingredient</u>	<u>LD<sub>50</sub> Oral</u> (mg/kg)	<u>LD<sub>50</sub> Dermal</u> (mg/kg)	<u>LC<sub>50</sub> Inhalation</u> (mg/m <sup>3</sup> , 4 hrs.)
Sodium Desoxycholate	1370 (rat) 1050 (mouse)	Not available	Not available
Azlocillin, sodium	Not available	Not available	Not available
Amphotericin B	>5000 (rat)	Not available	Not available
Benzene	930 (rat)	>9400 (rabbit)	13 700 ppm (rat)
Polymyxin B sulfate	790 (mouse)	Not available	Not available
Nalidixic Acid	2040 (rat) 572 (mouse)	Not available	Not available
Fosfomycin, disodium	4550 (rat) 7300 (mouse)	Not available	Not available
Methyl vinyl ether/maleic anhydride copolymer	Not available	Not available	Not available

## Section 12: Ecological Information

The ecological effects have not been thoroughly investigated, but currently none have been identified.

## Section 13: Disposal Considerations

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations.

## Section 14: Transport Information

**DOT Proper Shipping Name:** Not regulated  
**DOT Hazard Classification:** Primary: Not regulated  
Secondary:  
**DOT Special Provisions:** None  
**DOT Packaging Exceptions:** None  
**DOT Non-bulk Packaging:** None  
**DOT Bulk Packaging:** None  
**IMDG Proper Shipping Name:** Not regulated  
**IATA Proper Shipping Name:** Not regulated

## Section 15: Regulatory Information

**TSCA Status:** Exempt under TSCA

**California Proposition 65:** Nalidixic Acid CAS# 389-08-2  
Benzene CAS# 71-43-2

**SARA Title III:** Benzene RQ = 10 lbs  
Sec. 302/304: Benzene – Acute, Chronic, Fire  
Sec. 313: Benzene 0.1%

**Right to Know:** Massachusetts: Benzene  
Minnesota: Benzene  
New Jersey: Benzene  
Pennsylvania: Benzene  
California: Benzene  
Florida: Benzene

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**EC Directive:**

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Xn Harmful



R42/43 May cause sensitization by inhalation and skin contact  
R48/23/24/25 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin, and if swallowed  
R45 May cause cancer

S7 Keep container tightly closed  
S22 Do not breathe dust  
S24/25 Avoid contact with skin and eyes  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S36 Wear suitable protective clothing  
S45 In case of accident or if you feel unwell, seek medical advice immediately (Show the label where possible)

**Other:**

None.

**Section 16: Other Information**

**HMIS and NFPA Hazard Rating:**

Category	HMIS	NFPA
Acute Health	3	3
Flammability	0	0
Reactivity	0	0

**Full Text of R-phrases appearing in Section 2:**

R11 – Highly flammable  
R22 – Harmful if swallowed  
R23/24/25 – Toxic by inhalation, in contact with skin and if swallowed  
R25 – Toxic if swallowed  
R36/37/38 – Irritating to eyes, respiratory system and skin  
R37 – Irritating to respiratory system  
R40 – Possible risks of irreversible effects  
R45 – May cause cancer  
R48 – Danger of serious damage to health by prolonged exposure

**Text of classifications appearing in Section 2:**

F - Flammable  
Xn - Harmful  
T – Toxic

**Preparation Information:**

**Prepared by:** LEHDER Environmental Services Limited  
**Address:** 704 Mara Street, Suite 210  
Point Edward, Ontario N7V 1X4

**Phone:** (519) 336-4101

**Preparation date:** September 23, 1999. Revised to reflect new TREK address November 7, 2002.  
Revised and Updated July 8, 2003 for regulatory information.

**Disclaimer:**

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