

Viramed Biotech AG

MATERIAL SAFETY DATA SHEET

Date Updated: 06/01/06

Product and Company Information

Product Name BORRELIA B31 WESTERN BLOT TEST KIT

Product Number V-BBBGUS - or- V-BBBMUS

Company Viramed Biotech AG

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Composition/Information on Ingredient/Substance

MATERIALS WITH LESS THAN 0.1% SODIUM AZIDE (See Product Name Above)

The hazards identified with this product are those associated with the following component(s):

1) SODIUM AZIDE 26628-22-8 < 0.1%

2) BCIP/NBT LIQUID SUBSTRATE

1) EMERGENCY OVERVIEW Sodium Azide

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

HMIS RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

NFPA RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

First Aid Measures

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious.

Call a physician immediately.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Fire Fighting Measures

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Spilled material should be carefully wiped up or moistened with water and removed. Ventilate area and wash spill site after material pickup is complete.

HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed.

Store at 2-8°C

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Physical/Chemical Properties

Appearance Physical State: Liquid

Property Value at Temperature or Pressure pH 7.4

BP/BP Range N/A

MP/MP Range N/A

Freezing Point N/A

Vapor Pressure N/A

Vapor Density N/A

Saturated Vapor Conc. N/A

SG/Density N/A

Bulk Density N/A

Odor Threshold N/A

Volatile% N/A

VOC Content N/A

Water Content N/A

Solvent Content N/A

Evaporation Rate N/A

Viscosity N/A

Surface Tension N/A

Partition Coefficient N/A

Decomposition Temp. N/A

Explosion Limits N/A

Flammability N/A

Autoignition Temp N/A

Refractive Index N/A

Optical Rotation N/A

Miscellaneous Data N/A

Solubility N/A

N/A = not available

STABILITY

Stable: Stable.

1) Sodium Azide

Materials to Avoid: Dimethyl sulfate is incompatible with sodium azide, Acid chlorides, and Halogenated solvents. Avoid contact with metals. Avoid contact with acid. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

Hazardous Decomposition Products: Nature of decomposition products not known.

Hazardous Polymerization: Will not occur

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation

Skin Absorption: May be harmful if absorbed through the skin

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

Many azides cause a fall in blood pressure and some inhibit enzyme action. Laboratory experiments in animals have shown sodium azide to produce a profound hypertensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local

Transport Information

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

US CLASSIFICATION AND LABEL TEXT

US Statements: Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.