

Safety Data Sheet

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SECTION 1- Product Information

PRO STRIPS BioWarfare Threat Detection Kit
Product ID: PS-TOXIN
Common Name: Ricin Toxin – Botulinum Toxin – SEB Detection Kit

Intend Use: This product is designed for preliminary environmental testing for ricin toxin, botulinum toxin and Staphylococcal Enterotoxin B (SEB) only, not for human diagnostic purpose. It is a single use, qualitative screen test device and **cannot** be used as sole evidence for confirmed threat agent identification result.

SECTION 2- Ingredients

Contains:

1. **Composition:** Each device contains three (3) test strips. Each strip contains:
 - a. Anti-Target Protein Antibodies <0.4 ug
 - b. Colloidal Gold particles <0.4 ug
 - c. Control protein < 0.4 ugm
 - d. Buffers, blockers pH 7.4
 - e. Nitrocellulose membrane 4 mm x 25 mm
2. **Diluent:** Using approximately 1.5 mL per bottle, contains:
 - a. Proprietary surfactants 0 mg
 - b. Proprietary blocking materials < 0.1%
 - c. Buffers pH 7.4
 - d. Sodium chloride < 1%
 - e. Sodium azide < 0.1%
 - f. Water ultra pure

SECTION 3- Hazards Identification

Emergency Overview

The materials comprising the device, the biological materials (monoclonal and polyclonal antibodies) in the test strip formulations are considered non-hazardous and are present in total protein less than 0.4 ug. The sample diluent contains less than 0.1% sodium azide. The small quantity of nitrocellulose membrane and diluent pose little hazard in their completed form.

HMIS/NFPA Rating

Health: 1

Flammability: 1

Reactivity: 1

Health Hazards

Mild eye irritant.

Mild respiratory irritant

Target Organs

None known

Signs and symptoms of exposure

Contact with eyes may cause mild irritation and discomfort. Inhalation of vapors may cause irritation in the respiratory tract.

Signs and symptoms of exposure

No known effects

Medical Conditions Generally Aggravated by Exposure

None known.

Carcinogens under OSHA, ACGIH, NTP, IARC, OTHER

This product contains no carcinogens in concentrations greater than 0.1%.

SECTION 4- First AID Measures

Oral Exposure

If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person. Immediately rinse mouth with water and get medical attention.

Inhalation Exposure

Move patient to fresh air. If breathing has stopped or is labored; give assisted respiration (e.g. mouth-to-mouth). Supplemental oxygen may be indicated. Prevent aspiration of vomit. Turn victim's head to the side. Seek medical advice.

Dermal Exposure

Wash affected area with soap and water.

Eye Exposure

Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes.

SECTION 5-Fire Fighting Measures

Flash Point: No data

EXTINGUISHING MEDIA:

Use CO₂ or dry chemical extinguishing media.

FIRE FIGHTING PROCEDURES:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

UNUSUAL HAZARDS:

No know hazards.

SECTION 6- Accidental Release Measures

Procedure to be followed in case of leak or spill of diluent solution

Wearing gloves, soak up material with a paper towel or other absorbent material and dispose of according to state and federal regulations. Wipe area off with water.

SECTION 7- Handling and storage

Handling

Avoid contact with skin. Do not get in eyes, skin or on clothing. Avoid repeated or prolonged exposure.

Storage

Store in a cool dry place. Avoid freezing. Avoid temperature above 104°F.

SECTION 8- Reactivity Data

Stability Data: Stable

Incompatibility: Strong oxidizers

Conditions to Avoid: None known

Hazardous Decomposition/polymerization: None known

Corrosive Properties: None known
Oxidizer Properties: None known
Other Reactivity Data: None known

SECTION 9- Personal Protection

While nothing more than gloves are needed to handle the PS-TOXIN test device, appropriate safety equipment/PPE should be employed when responding to a potentially hazardous event, including:

Clothing: Appropriate gear for chemical and biologic weapon material including gloves and appropriate protective clothing.

Eye: Wear appropriate full-face shield for bio-chemical hazards.

Respiration: Wear RACAL or SCUBA gear.

SECTION 10- Transportation Information

DOT Proper Shipping Name: N/A

DOT Technical Name: N/A

DOT Primary Hazard Class: N/A

DOT Secondary Hazard Class: N/A

DOT Label Required: N/A

DOT Placard Required: N/A

DOT Poison Constituent: N/A

Bill of Lading Description: NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

*Important: While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Since many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties or merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data, or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by ADVNT are given gratis and ADVNT assumes no obligation or liability for the description, designs, data and information given or results obtained. All such being given and accepted at your risk.

END OF DATA SHEET