



healthmark  
INDUSTRIES CO.  
health care products  
800-521-6224  
www.hmark.com

## Product SDS

Reference date: 2018-03-26 Revision date: 2018-03-26

### 01. Identification of the substance/mixture and of the company

Product name: BTS Test Soil

Code number(s): BTS-7ML, BTS-100ML, BTS-500ML, BTS-B-7ML, BTS-B-100ML

Purpose of product: Blood protein based standardized test soil. For simulated use soiling of medical devices for the purpose of conducting cleaning validations and cleaning verifications.

Manufacturer/supplier: Healthmark Industries Co.

Address: 33671 Doreka Drive / Fraser, MI 48026

Telephone/Fax/Email: (800) 521-6224 / (586) 491-2113 / healthmark@hmark.com

Emergency telephone number: (800) 424-9300 (24 hour service)

### 02. Hazards identifications

Classification of the substance or mixture: n/a

Adverse environmental and human health effects: May be harmful if ingested or inhaled. May cause skin and eye irritation. May irritate mucous membranes and upper respiratory tract.

### 03. Composition/information on ingredients

Description of the mixture: Mixture of purified bovine proteins (hemoglobin, albumin), polysaccharides, a pigment, and a salt solution. The BTS-B version of the soil contains bone particles.

Hazardous ingredients: n/a

### 04. First aid measures

General information: n/a

Following inhalation: Remove to fresh air.

Following skin contact: Wash with plenty of water. Remove contaminated clothing.

Following eye contact: Rinse out with plenty of water with the eyelid held wide open. Call an ophthalmologist

Following ingestion: Make victim drink plenty of water. Call in physician.

Notes for the doctor: n/a

#### **05. Firefighting measures**

Suitable extinguishing media: Extinguisher suitable to the cause of the fire.

Unsuitable extinguishing media: n/a

Special hazards arising from the substance and combustion products: n/a

Advice for firefighters: n/a

#### **06. Accidental release measures**

General information: Dilute spilled substances with plenty of water and absorb.

Environmental precautions: n/a

Additional information: n/a

#### **07. Handling and storage**

Precautions for safe handling: Follow good laboratory hygiene practices.

Fire Preventions: n/a

Technical measures and storage conditions: 0-25°C

#### **08. Exposure controls/personal protection**

Control parameters: n/a

Personal protective equipment: n/a

Hand protection: Protective gloves

Respiratory protection: n/a

Eye protection: Protective glasses

Advice on general occupational hygiene: n/a

Environmental exposure controls: n/a

#### **09. Physical and chemical properties**

Appearance: Powder and a solution

Physical state: Solid and liquid

Color: Reddish brown powder and clear liquid

Odor: n/a

Safety relevant basic data: n/a

Explosion hazard: n/a

Density: n/a

pH: n/a

Initial boiling point/range: Protein decompose when heated

Solubility: Protein test soil is soluble in water

Flash point: n/a

Ignition temperature: n/a

Melting point: n/a

Conditions to avoid: n/a

Incompatible materials: n/a

## **10. Stability and reactivity**

Conditions to avoid: n/a

Incompatible materials: n/a

Hazardous decomposition products: Thermal decomposition: Acrid smoke and irritating fumes.

## **11. Toxicological information**

Information on toxicological effects: n/a

Irritation: n/a

Sensitization: n/a

Inhalation: n/a

Practical experiences: n/a

Ingredient: n/a

## 12. Ecological information

Terrestrial toxicity: n/a

Aquatic toxicity: U.S. DOT Appendix B/Marine Pollutant: Not listed

Mobility: n/a

Persistence and degradability: n/a

Bio accumulative potential: n/a

Results of PBT and vPvB assessment: n/a

Other adverse effects: n/a

## 13. Disposal considerations

Product: Please refer to applicable local, state, and federal regulations.

Contaminated packaging: n/a

Uncontaminated packaging: n/a

## 14. Transport information

UN-No: n/a

Proper shipping name: n/a

Classification code: n/a

Packing group: n/a

Hazard label: n/a

## 15. Regulatory information

Material safety evaluation: n/a

Regulation on combustible liquids: n/a

Class according 2009/104/EG (BetrSichV): n/a

Water hazard class: n/a

Storage according TRGS 510 (Storage of hazardous substances in non-stationary containers): n/a

## 16. Other information

Recommended application: n/a

Relevant R-, H-, and EUH-phrases: n/a

The information supplied in this Safety Data Sheet is designed only as a guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and beliefs at the date of the publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes.

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