



Materials Safety Data Sheet

Version: 3
Revision Date: 11/16/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: E-Sphere™ Stool Clean-Up Columns
Catalog Number: E001001-003
Company Information:
PHTHISIS DIAGNOSTICS
705 DALE AVENUE
CHARLOTTESVILLE, VA 22903
(434) 293-8180
CONTACT@PHTHISISDIAGNOSTICS.COM

2. COMPOSITION / IDENTIFICATION OF INGREDIENTS

Hazardous / Non-Hazardous Components:

| Chemical Name | CAS-No | % Weight |
|---------------|--------|----------|
| Trade Secret | N/A | 0-1% |

3. HAZARDS IDENTIFICATION

OSHA Hazards: No known OSHA hazards.
Form: Liquid slurry
Target Organs: None known.

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed.
Eye Contact: May cause eye irritation.
Skin Contact: May be harmful if absorbed through skin. May cause skin irritation.

HMIS Classification

Health Hazard: 1
Chronic Health Hazard: N/A
Flammability: 0
Physical Hazard: 0

4. FIRST AID MEASURES

Inhalation: If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt, or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not improve.



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Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes as a precaution.

Skin Contact: Wash and rinse off with soap and plenty of water.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: For small fires, use DRY chemical powder. For large fires, use water spray, fog or foam. DO NOT use water jet.

Special Protective Equipment: No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid dust formation

Environmental Precautions: Do not let product enter drains

Spill Cleanup Instructions: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water. Consult federal, state, and/or local authorities for assistance on disposal.

7. HANDLING AND STORAGE

Handling and Storage Information: Provide appropriate exhaust ventilation at places where dust may be formed. Keep product dry and in a well-ventilated place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits: Contains no materials with occupational exposure limits.

Personal Protective Equipment

Respiratory Protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection: Safety gloves required.

Eye Protection: Safety glasses required.

Skin and Body Protection: Lab coat required.

Hygiene Measures: Handle in accordance with good industrial hygiene practices.

Environmental Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operation generates dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form: Liquid slurry

Important Health, Safety, and Environmental Information

Boiling Point / Range: No data available.

Melting Point / Range: No data available.

Flash Point: No data available.

Autoignition Temperature: No data available.



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Oxidizing Properties: No data available.
Water Solubility: No data available.

10. STABILITY AND REACTIVITY

Stability: This material is stable if stored under proper conditions. Avoid excessive heat and light.
Materials to Avoid: Strong oxidizing agents.
Hazardous Decomposition Products: None under normal use.
Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

| Chemical Name | LD50 (oral, rat) | LD50 (intraperitoneal, mouse) | LC50 (oral, rabbit) |
|---------------|------------------|-------------------------------|---------------------|
| N/A | N/A | N/A | N/A |

Principal Route of Exposure / Potential Health Effects

Skin: Irritation may occur.
Eyes: Irritation may occur.
Inhalation: Lung irritation may occur.
Ingestion: Irritation may occur.

Specific Effects

Carcinogenic Effects: Not listed by OSHA, NTP or IARC.
Mutagenic Effects: No information available.
Reproductive Toxicity: No information available.
Sensitization: No information available.

Chronic Exposure

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

IARC: Group 3 - Not classifiable as to carcinogenicity to humans.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

Unexcreted particles may be phagocytized by cells of the reticuloendothelial system and deposited in storage sites in the liver, spleen, lung, and bone marrow resulting in the storage disease thesaurosis. Severity and symptoms depend on storage site and nature of the particle. Pathological changes are not necessarily attributed to the thesaurosis, but in some cases an inflammation or granulomatoma have occurred.

12. ECOLOGICAL INFORMATION



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Ecotoxicity Effects: No information available.
Mobility: No information available.
Biodegradation: No information available.
Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with local regulations.
Contaminated Packaging: Dispose of as unused material.

14. TRANSPORT INFORMATION

Is this Material Hazardous to Ship? No
DOT (US): Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

15. REGULATORY INFORMATION

OSHA Hazards: No known OSHA hazards
DSL Status: All components of this product are on the Canadian DSL list.
SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards: No SARA Hazards.
State Right-to-Know Lists: None of the materials in this product are found on or of reportable quantities for the Right-to-Know lists of California, Florida, New Jersey, Pennsylvania, Massachusetts or Minnesota.

16. OTHER INFORMATION

For laboratory use only. This product is not intended to provide information for the diagnosis, prevention, or treatment of disease.

The above information was acquired in a professional manner but does not purport to be all inclusive and should be used only as a guide. All materials contained in or derived from this product may contain unknown hazards and should be handled with caution. Phthisis Diagnostics shall not be held liable for any damage resulting from handling or contact with the product. Users should determine the suitability of this information for their specific applications prior to use.

END OF SAFETY DATA SHEET