Material Safety Data Sheet
Bradford Protein Assay Kit

Revision Number: 1.0  Last updated 1/19/2005

Product and Company Identification
Trade Name: Bradford Protein Assay Kit
Catalog Number: Z5030028
Manufacturer/Supplier: Biochain Institute, Inc.
39600 Eureka Drive
Newark, CA 94560. USA
Tel:510-783-8588,Fax:510-783-5386
Email:info@biochain.com

Components
Item Number  Name  Quantity
Z5030028  Reagent  20.0 mL
Standard  1.0 mL

Hazards Identification
Mixture of the following substances with non-hazardous additions.
Reagent
- Brilliant Blue G (CAS #: 6104-58-1) <0.05%
- Ethanol (CAS #: 64-17-5) 25.00%
- Phosphoric acid (CAS #: 9002-93-1) 48.00%
- Triton X-100 (CAS #: 7664-38-2) <0.05%
Standard
- Bovine serum albumin (CAS #: 9048-46-8) 0.500%

Health Hazard Data: corrosive. Harmful in contact with skin and eyes.

Avoid contact and inhalation. Standard laboratory safety procedures should be followed when handling this product. Safety procedures include wearing OSHA approved safety glasses, gloves and protective clothing.

First Aid Measures
If eye or skin contact occurs, immediately wash affected area with soap and copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician to seek medical advice.

If swallowed, wash out mouth with water provided person is conscious and call a physician to seek medical advice.

If inhaled, move individual to fresh air and call a physician to seek medical advice.

Fire Fighting Measures
Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam.
Special firefighting procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual fire and explosion hazards: emits toxic fumes under fire conditions.

Handling and Storage
Keep receptacles tightly sealed. For long term storage, keep Reagent from light at 4°C. Store Standard at -20°C.

Accidental Release Measures
Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

Exposure Controls / Personal Protection
Keep away from foodstuffs and beverages. Wash hands before and after the work. Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.

Stability and Reactivity
Thermal Decomposition: no decomposition if used according to specifications.
Dangerous Products of Decomposition: nitrogen and carbon oxides.
Dangerous Reactions: avoid reaction with bases.

Toxicological Information
Inhalation: Harmful if inhaled
Ingestion: Harmful if swallowed
Skin: Causes skin irritation
Eyes: Causes eye irritation
Target Organs / Chronic Exposures: Liver, nerves.

Ecological Information
Do not allow product to reach ground water, water course, or sewage system.

Disposal Considerations
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Consult local, state or national regulations for proper disposal.

Other Information
This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Biochain Institute, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.