Section 1: Product and Company Identification
Product Name: Aurion BSA-c™
Product codes: 900.022, 900.099
Date prepared: 12 March 2008
MSDS number: BSAc-02

Section 2: Composition / Ingredients
This product contains: Modified Bovine Serum Albumin
Ingredients: Alkaline solution of Acetylated Bovine Serum Albumin with 0.05% Sodium Azide. pH ~ 11.0

Section 3: Hazards Identification
Emergency Overview: Solution at high pH, equivalent to ~0.001M NaOH in water, potential for chemical burns of eyes, skin and mucous membranes. Ingestion of alkaline solutions may cause burns to digestive tract. Inhalation may cause pulmonary edema. Sodium azide reacts with lead and copper plumbing forming highly explosive metal azides.
Routes of Entry: Ingestion and skin absorption. Inhalation. Effects of Overexposure: may cause drowsiness.

Section 4: First Aid Measures
Eye Contact: Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
Skin Contact: Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes immediately. Call a physician.
Ingestion: Wash out mouth with water, give a cupful of water, provided person is conscious. Do not induce vomiting. Call a physician.
Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

Section 5: Fire Fighting Measures
Explosion Hazards: Azide reacts with metals such as lead, copper, mercury, silver, gold and halides to form explosive compounds.
Flash Point: Not flammable
Flammable Limits: Lower: N/A, Upper: N/A
Autoignition Temperature: N/A
Extinguishing Methods: Use extinguishing media appropriate to surrounding fire conditions.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Emits toxic alkaline fumes under heat exposure.

Section 6: Accidental Release Measures
Evacuation procedures and Safety: Wear rubber gloves.
Cleanup and Disposal of Spill: Absorb on sand or vermiculite and place in closed containers for disposal. Wash spill site after material pickup is complete with copious amounts of water.
Waste Disposal Methods: According to local guidelines for dilute alkaline solutions (~0.001M NaOH) containing protein and 0.05% Sodium Azide. Observe all local, state and Federal laws.
N/A= Not applicable
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Section 7: Handling and Storage
Minimum / Maximum Storage Temperatures: 0 - 37°C (273 - 310K)
Handling: Do not breathe vapors and mists. Do not get on skin or in eyes. Do not ingest. Use handling, storage and disposal procedures that will prevent contamination of water, food or feed. Avoid freezing.
Storage: Store in a refrigerator

Section 8: Exposure Controls / Personal Protection
Respiratory Protection: Wear mouth mask.
Ventilation: Use in well ventilated area.
Protective Gloves: Compatible chemical-resistant gloves.
Eye Protection: Chemical safety goggles.

Section 9: Physical and Chemical Properties
Appearance: Liquid, yellow-brown, clear.

Section 10: Stability and Reactivity
Stability: Stable

Section 11: Toxicological Information
The toxicological properties have not been thoroughly investigated.
Sodium Azide: 0.05% by weight
Oral rat LD50: 27 mg/kg
Investigated as tumorigen and mutagen. No activity known.

Section 12: Ecological Information
Environmental Fate: When released into the soil, serum proteins are expected to biodegrade.
Environmental Toxicity: No toxicity anticipated for serum proteins. Observe MSDS for Sodium Azide and Sodium hydroxide solutions.

Section 13: Disposal Considerations
Dispose of unused contents in accordance with federal, state and local requirements for the disposal of alkaline solutions containing 0.05% Sodium Azide.

Section 14: Transportation Information
This substance is considered to be non-hazardous for transport.

Section 15: Regulatory Information
Workplace classification: This product is considered non-hazardous.
TSCA status: Exempt from TSCA.

Section 16: Other Information
Laboratory reagent. For research use only. Not for diagnostic or therapeutic use.
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