

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product details:	Aqueous formulation of ABTS (2,2'-azino-bis-(3-ethylbenzthiazoline-6-sulfonic acid)) substrate
Trade name:	Super AquaBlue ELISA Substrate
Cat#	00-4203
Chemical Family:	
Manufacturer/Supplier:	eBioscience, Inc. 10255 Science Center Drive San Diego, Ca 92121 888-999-1371

Section 2 - Composition / Information on Ingredients

Component	CAS#	EC#	% By Weight
2,2'-AZINO-BIS(3-ETHYL-BENZTHIAZOLINE SULPHONIC ACID (6))	30931-67-0	250-396-5	

Section 3 - Hazards Identification

<p>Hazard description: Harmful Irritating to eyes, respiratory system, and skin Harmful if swallowed, inhaled or absorbed through skin Possible mutagen Avoid contact with metals Air and light sensitive Refrigerate for best storage</p> <p>Classification system The classification was made according to the latest editions of the international substances lists, and expanded upon from company and literature data.</p> <p>NFPA ratings (scale 0-4) Health = 0 Fire = 0 Reactivity = 0</p>
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Section 4 - First Aid Measures

Eye Contact:	In case of contact, immediately flush eyes with copious amounts of water for at least 15 min
Skin Contact:	In case of contact, immediately wash skin with soap and copious amounts of water
Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Seek medical attention immediately.
Inhalation:	Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention immediately.

Section 5 - Fire Fighting Measures

<p>Suitable extinguishing agents CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water supply or alcohol resistant foam.</p> <p>Protective equipment: No special measures required.</p>
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Section 6 - Accidental Release Measures

<p>Person-related safety precautions: Evacuate area and ventilate area Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves</p> <p>Measures for environmental protection: Wipe up with damp sponge or mop. Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).</p> <p>Additional information: No dangerous substances are released.</p>
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Section 7 - Handling and Storage

<p>Handling --- Refer to Section 8 Information for safe handling: Information about protection against explosions and fires: Storage --- Refer to section 8 Requirements to be met by storerooms and receptacles: Information about storage in one common storage facility: Further information about storage conditions:</p>
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Section 8 - Exposure Control / Personal Protection

Ventilation Data: Provide adequate local exhaust ventilation
Respiratory Protection: NIOSH/MSHA-Approved respirator. Use only in a chemical fume hood
Protective Gloves: Wear chemical resistant gloves.
Other Protective Equipment: Eye protection, lab coat, apron or other protective clothing to minimize contact. Eyewash stations and deluge showers should be available.
Work Practices: Observe appropriate laboratory hygiene practices. Avoid contact with skin or eyes. Wash any exposed body area thoroughly with soap and water after completion of activities involving product.
Possible mutagen. Keep tightly closed, refrigerate

Section 9 - Physical and Chemical Properties

General Information	
Physical State:	Liquid
Color:	Clear solution or may have a slight green tinge.
Odor:	Characteristic
Change in condition:	Undetermined
Melting point/melting range:	0°C (water)
Boiling point/boiling range:	100°C (water)
Flash point:	Not applicable
Danger of explosion:	Product does not present an explosion hazard.
Vapor pressure:	Not applicable
Density:	Not determined
Solubility with water:	Can be diluted in water.
pH-value:	Not applicable

Section 10 - Stability and Reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Materials to be avoided: INCOMPATIBLES
 Bases, Amines, Alkali metals, Copper, Copper Alloys

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF: Carbon Monoxide, Carbon Dioxide, Nitrous Oxides, Hydrogen Chloride Gas, Hydrogen Bromide Gas, Phosphorous Oxides

Section 11 - Toxicological Information

Acute toxicity:
 Harmful if swallowed, inhaled, or absorbed through skin
 Causes eye and skin irritation
 Material is irritating and destructive of the mucous membranes and upper respiratory tract
 To the best of our knowledge, the chemical, physical and toxicological, properties have not thoroughly investigated
Toxicity Data: See actual entry in RETCS for complete information
Primary irritant effect: Refer to Section 4 and Section 11
Additional toxicological information:
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
 The substance is not subject to classification.

Section 12 - Ecological Information

Ecotoxicological effects:
Other information: The ecological effects have not been thoroughly investigated, but currently none have been identified.
General notes: Generally not hazardous for water.

Section 13 - Disposal Considerations

Product:
Recommendation
 Must adhere to state and federal regulations.
Disposal Considerations:
 Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber. Observe all Federal, State, and Local Environmental Regulations.
Recommendation: Disposal must be made according to state and federal regulations.

Section 14 - Transport Information

DOT regulations
Hazard Class: Non hazardous for transport
Land transport
ADR/RID class: Non hazardous for transport
Maritime transport
IMDG Class:
Marine pollutant: No
Air transport
ICAO/IATA Class: Non hazardous for air transport

Transport/Additional information:

If a dashed line appears in the Hazard Class section for the type of transportation, this indicates the product is not regulated for transportation. However, if a Hazard Class Number is listed, the product is regulated.

Section 15 - Regulatory Information

<p>SARA Section 355 (extremely hazardous substances) Data not Available</p> <p>SARA Section 313 (specific toxic chemical listings) Data not Available</p> <p>TSCA (Toxic Substances Control Act) Data not Available</p> <p>California Proposition 65 – Chemicals known to cause cancer Data not Available</p> <p>California Proposition 65 – Chemicals known to cause reproductive toxicity Data not Available</p>
<p>Carcinogenicity categories</p> <p>IARC (International Agency for Research on Cancer) Data not Available</p> <p>NTP (National Toxicology Program) Data not Available</p> <p>TLV (Threshold Limit Value established by ACGIH) Data not Available</p>
<p>Product related hazard information: Observe the general safety regulations when handling chemicals. The substance is not subject to classification according to the sources of literature known to us. The product is not subject to identification regulations pertaining to regulations on hazardous materials.</p> <p>National regulations</p> <p>Water hazard class: Generally not hazardous for water.</p>

Section 16 - Other Information

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control: all risks of use of the product are therefore assumed by the user.

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