



**EXPRESS BIOTECH INTERNATIONAL  
(XpressBio)**

## Safety Data Sheet

For all research reagents manufactured by XpressBio with catalog numbers 595-419X.

Effective date: May 2020

Revision A

## 1-Product and Company Identification

**Product Name:** ABTS Peroxidase Substrate  
**Company Name:** Express Biotech International (XpressBio)  
**Address:** 4650 Wedgewood Blvd, Suite 103  
Frederick, MD 21703, USA  
**Phone number:** (301) 228-2444  
**Fax number:** (301) 560-6570  
**Emergency phone number:** Contact national poison control in your state or country.

## 2-Hazard(s) Identification

**Hazard Classification:**  
Non-Hazardous  
**Signal Word:**  
None  
**Hazard Statements:**  
None  
**Pictogram:**  
None  
**Precautionary Statements:**  
None  
**Other Hazards:**  
None

## 3-Composition/Information on Ingredients

**GHS Classification**  
Non-hazardous at it's given concentration.

### Components

Chemical	Concentration	CAS Number	EC Number
2,2' -Azino-bis-(3-ethyl-benzothiazoline-6-sulfonic acid (ABTS™))	99-100 %	30931-67-0	250-396-6

## 4-First-Aid Measures

The following general first aid measures apply to this product:

### Inhalation:

Do not breath vapor. If inhaled, move to fresh air. Seek medical attention if victim is unconscious, or if symptoms persist.

### Skin contact:



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Rinse with water for several minutes. Immediate medical attention is not required. Seek medical advice if symptoms persist.

**Eye contact:**

Immediately flush with water for several minutes. Remove contact lenses if easy to do so. Seek medical advice if symptoms persist.

**Ingestion:**

If accidentally ingested, rinse mouth with water. Keep respiratory tract clear. Seek medical advice if symptoms persist.

**Most important symptoms:**

Not applicable.

**Immediate medical attention and special treatment:**

None.

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## 5-Fire-fighting measures

**Extinguishing media:**

**Suitable extinguishing media:** Water spray. Carbon dioxide. Foam. Dry chemical

**Unsuitable extinguishing media:** No information available.

**Specific hazards:**

No known specific hazards.

**Specific methods of firefighting:**

In the event of a fire, follow standard procedure for chemical fires.

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## 6-Accidental Release Measures

**Personal precautions and protective equipment:**

Ensure adequate ventilation. Use recommended Personal Protective Equipment. See section 8 for additional information.

**Emergency procedures:**

Use protective equipment.

**Methods and materials for containment and cleanup:**

Use inert absorbent material to soak up spills.

**Environmental precautions:**


Collect absorbent and place into suitable containers for proper disposal in accordance with applicable waste disposal regulation. Do not flush to sewers, storm drains, surface waters, and soil.

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## 7-Handling and Storage

**Precautions for safe handling:**

Use Personal Protective Equipment as required.

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**Conditions for safe storage, including incompatibilities:**

Keep in a dry, cool, well ventilated area. Ensure containers are properly labeled.

**Specific end use(s):**

For research use only.

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## 8-Exposure Control / Personal Protection

**Occupational exposure limits:**

There are no established exposure limits for this product.

**Engineering controls:**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment:**

**Eye and Face Protection:**

Wear safety glasses with side shield, or full-face shield if eye contact is likely. The choice of protection should be based on the job activity and potential for exposure to eyes and face.

**Respiratory protection:**

In case of insufficient ventilation, wear appropriate respirators and components approved by government.

**Hand protection:**

Wear suitable chemical-resistant gloves.

**Skin and body protection:**

Wear appropriate clothing. The choice of skin protection should be based on the job activity and potential for exposure to the skin.

**Hygiene measures:**

Wash hands immediately after handling materials (especially before eating, drinking or smoking). Decontaminate or discard protective equipment after each use.

**Remove personal protective equipment when leaving work area.**

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## 9-Physical and Chemical Properties

Information for physical and chemical properties –

**Appearance:** Liquid

**Upper/lower flammability or explosive limits:** No data available

**Odor:** No data available

**Vapor pressure:** No data available

**Odor threshold:** No data available

**Vapor density:** No data available

**pH:** No data available

**Relative density:** No data available

**Melting point/freezing point:** No data available

**Solubility(ies):** No data available

**Initial boiling point and boiling range:** No data available

**Flash point:** No data available



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**Evaporation rate:** No data available  
**Flammability:** No data available  
**Partition coefficient: n-octanol/water:** No data available  
**Auto-ignition temperature:** No data available  
**Decomposition temperature:** No data available  
**Viscosity:** No data available

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## 10-Stability and Reactivity

**Reactivity:**

No known reactivity.

**Chemical stability:**

Stable under normal use and conditions.

**Hazardous reactions:**

No known hazardous reactions.

**Conditions to avoid:**

Exposure to light.

**Incompatible materials:**

None known under normal use and conditions.

**Hazardous decomposition:**

No information available.

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## 11-Toxicological information

**Information for toxicological effects:**

There is currently no data available that identifies any delayed, immediate, or chronic effects of short-term or long-term exposure.

**Toxicity Measurements:**

No data available.

**Description of symptoms:**

No data available.

**Carcinogenicity:**

No data available.

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## 12-Ecological information

**Toxicity:**

No testing data available.

**Degradability:**

No testing data available.

**Bioaccumulation potential:**

No testing data available.

**Soil and groundwater effects:**

No testing information available.

**Other adverse effects:**

No testing data available.

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## 13-Disposal Considerations

Dispose of materials in this kit according to Federal, State and Local Requirements. Use proper technique and PPE (refer to Section 8) for disposal.

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## 14-Transport information

Classifications for land, air, and sea transport:

**UN number:** Not regulated.

**UN shipping name:** Not regulated.

**Transport hazard class:** Not regulated.

**Packing group:** Not regulated.

**Environmental hazards:** Not regulated.

**Bulk transport in accordance with Annex II of MARPOL 73/78:** Not regulated.

**Special user precautions:** Not regulated, no information available.

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## 15-Regulatory Information

### United States Regulatory Information

SARA 313: Not listed.

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## 16-Other Information

### Recommended use:

This product is for **Research Use Only**, not for diagnostic use.

**SDS Revision date:** May 12<sup>th</sup>, 2020

**Reason for revision:** Update sections format and information.

### Others:

The above information is based on data available to XpressBio and is believed to be correct. Since the information may be applied under conditions beyond the control of XpressBio and with which the company may be unfamiliar, XpressBio does not assume any responsibility for the results of its use and all persons receiving it shall make their own determination of the effects, properties, and protections, which pertain to their particular conditions.

No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the material, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material.

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**End of Safety Data Sheet**