

# SAFETY DATA SHEET

SDS Date: April 29 , 2020

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ABTS™ (solid)  
**PRODUCT CODES** Cat# B2711-1G, -5G  
**RESTRICTIONS ON USE:** For laboratory research purposes. Not for drug or household use.  
**MANUFACTURER:** BioVision, Inc.  
**ADDRESS:** 155 S. Milpitas Boulevard, Milpitas, CA 95035  
**EMERGENCY PHONE:** 858-373-8066  
**CHEMTREC PHONE:**  
**OTHER CALLS:** 408-493-1800  
**FAX PHONE:** 408-493-1801

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component	Description	Volume	Safety Information
ABTS™ (solid)	Solid	B2711-1G (1 g) B2711-5G (5 g)	See below

## SECTION 3: HAZARDS IDENTIFICATION

Product Name/Chemical Name	CAS Number	EC-No.	MW	Chemical Formula	Concentration
ABTS™ (solid)	30931-67-0	250-396-6	548.68	C <sub>18</sub> H <sub>24</sub> N <sub>6</sub> O <sub>6</sub> S <sub>4</sub>	100%

### ABTS™ (solid):

#### Emergency Overview

**OSHA Hazards:** Target organ effect, Harmful by ingestion, Irritant, Carcinogen

**Target Organs:** Heart, bone marrow, blood, liver

#### GHS Classification:

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2

Specific Target Organ Toxicity (single exposure), Category 3

#### GHS Label elements, including precautionary statements



Pictogram:

**Signal word:** Warning

#### Hazard statement(s):

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

#### Precautionary statement(s):

P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

#### GHS Response Phrases:

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P332+313: If skin irritation occurs, get medical advice/attention.

P337+313: If eye irritation persists, get medical advice/attention.

P362+364: Take off contaminated clothing and wash it before reuse.

#### HMIS Classification

**Health hazard:** 3

**Chronic health hazard:** \*

**Flammability:** 0

**Physical hazards:** 0

**NFPA Rating**

**Health Hazard:** 2

**Fire:** 0

**Reactivity Hazard:** 0

#### Potential Health Effects

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**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** Harmful if absorbed through skin. Causes skin irritation.

**Eyes:** Causes eye irritation.

**Ingestion:** Harmful if swallowed.

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## SECTION 4: FIRST AID MEASURES

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### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### If inhaled

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

### In case of skin contact

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

### In case of eye contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

### If swallowed

Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**Suitable extinguishing media:** Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

**Hazardous combustion products:** In combustion, may emit toxic fumes.

**Conditions of flammability:** No data available

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Personal precautions:** Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

**Environmental Precautions:** Do not let product enter drains.

**Methods and Material for Containment and Cleaning Up:** Cover spillage with suitable absorbent material. Sweep up material and place in an appropriate container. Hold all material for appropriate disposal as described under section 13 of SDS.

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## SECTION 7: HANDLING AND STORAGE

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### Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.

### Conditions for safe storage

Keep container tightly closed.

Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.

Recommended storage temperature: Store at -20°C

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Respiratory protection

If risk assessment indicates necessary, use a suitable respirator.

#### Hand protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use.

Wash and dry hands thoroughly after handling.

#### Eye protection

Use appropriate safety glasses.

#### Skin and body protection

Wear appropriate protective clothing

#### Hygiene measures

Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Property	ABTS™ (solid)
Appearance:	Light green powder
pH:	No data available
Water Solubility:	No data available
Specific Gravity (g/ml):	No data available

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## SECTION 10: STABILITY AND REACTIVITY

Property	ABTS™ (solid)
Chemical stability	Stable if stored in accordance with information listed on the product insert.
Conditions to avoid:	No data available
Materials to avoid:	strong acids, strong oxidizing agents
Hazardous decomposition products:	carbon dioxide; carbon monoxide; nitrogen oxides

## SECTION 11: TOXICOLOGICAL INFORMATION

### ABTS™ (solid):

**Acute toxicity:** Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

### Carcinogenicity:

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- 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.

**Reproductive toxicity:** Suspected human reproductive toxicant. Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

**Specific target organ toxicity – single exposure (GHS):** no data available

**Specific target organ toxicity – repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

### Potential Health Effects

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Skin:** There may be mild irritation at the site of contact.

**Eyes:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Signs and Symptoms of Exposure:** No known symptoms.

**Additional information:** RTECS: -

## SECTION 12: ECOLOGICAL INFORMATION

### ABTS™ (solid):

**Persistence and degradability:** no data available

**Toxicity:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** no data available

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose in accordance with local, state, and federal regulations.

## SECTION 14: TRANSPORT INFORMATION

### ABTS™ (solid):

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

## SECTION 15: REGULATORY INFORMATION

### ABTS™ (solid):

**OSHA Hazards:**

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

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**SARA 311/312 Hazards:** no data available

**Massachusetts Right to Know Components:** no data available

**Pennsylvania Right to Know Components:** no data available

**New Jersey Right to Know Components:** no data available

**California Prop. 65 Components:** no data available

## EU regulations

Component	Risk Phrases	Safety Phrases
ABTS™ (solid)	--	--

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## SECTION 16: OTHER INFORMATION

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### DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.