



The Power to Question

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc.

Revision date 21-Feb-2025

Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

|              |                 |
|--------------|-----------------|
| Product Name | Arbitol sulfone |
| Product Code | SC-481250       |
| CAS No       | 151455-32-2     |

### Recommended use of the chemical and restrictions on use

For research use only. Not intended for diagnostic or therapeutic use.

### Details of the supplier of the safety data sheet

Santa Cruz Biotechnology, Inc.  
 10410 Finnell Street  
 Dallas, TX 75220  
 831.457.3800  
 800.457.3801  
 scbt@scbt.com

### Emergency telephone number

Chemtrec  
 1.800.424.9300 (Within USA)  
 +1.703.527.3887 (Outside USA)

## 2. HAZARDS IDENTIFICATION

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

|                                       |  |
|---------------------------------------|--|
| Signal word                           | Warning  |
| Hazard statements                     | Not classified   |
| Symbols/Pictograms                    |  |
| Precautionary Statements - Prevention | Wash hands thoroughly after handling<br>Wear protective gloves/protective clothing/eye protection/face protection<br>Avoid breathing dust/fume/gas/mist/vapors/spray |
| Precautionary Statements - Response   | Use only outdoors or in a well-ventilated area<br>IF exposed or concerned: Get medical advice/attention  |

### Hazards not otherwise classified (HNOC)

|   |                |
|---|----------------|
| Hazards not otherwise classified (HNOC) | Not applicable |
|---|----------------|

### Other Information

|                        |  |
|------------------------|--|
| Unknown acute toxicity | 100% of the mixture consists of ingredient(s) of unknown toxicity. |
|------------------------|--|

### NFPA

|                                  |   |
|----------------------------------|---|
| Health hazards                   | - |
| Flammability                     | - |
| Stability                        | - |
| Physical and chemical properties | - |



### HMIS

|                     |   |
|---------------------|---|
| Health hazards      | - |
| Flammability        | - |
| Physical hazards    | - |
| Personal protection | - |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

|        |             |
|--------|-------------|
| CAS No | 151455-32-2 |
|--------|-------------|

Molecular Weight 509.41  
Formula  $C_{22}H_{25}BrN_2O_5S$

| Chemical name   | CAS No. | Weight-% | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------|---------|----------|-----------|-------------|-----------------|
| Arbitol sulfone | -       | >98      | -         | -           | -               |

Concentration Density ~1.43g/cm<sup>3</sup>

#### 4. FIRST AID MEASURES

##### First Aid Measures

General advice Consult a physician if necessary. Remove to fresh air.  
Eye contact Wash with plenty of water.  
Skin Contact Wash skin with soap and water.  
Inhalation Remove to fresh air If breathing is difficult, give oxygen If not breathing, give artificial respiration  
Ingestion Never give anything by mouth to an unconscious person. Clean mouth with water.

##### Most important symptoms and effects, both acute and delayed

Symptoms No information available.

##### Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

##### Specific hazards arising from the chemical

Specific hazards arising from the chemical No information available.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Hydrogen sulfide.

##### Explosion data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

##### Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

##### Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

##### Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp

to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store at -20 °C.  
Incompatible materials None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

Engineering Controls Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).  
Skin and Body Protection Wear protective gloves and protective clothing.  
Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.  
General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid  
Appearance No information available  
Odor No information available

### Property

pH No information available  
Melting point/freezing point No information available  
Boiling point No information available  
Flash point No information available  
Liquid Density No information available  
Evaporation rate No information available  
Upper flammability limits No information available  
Lower flammability limit No information available  
Vapor pressure No information available  
Vapor density No information available  
Specific gravity No information available  
Water solubility No information available  
Solubility in other solvents No information available  
Partition coefficient No information available

### Values

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|                           |                          |
|---------------------------|--------------------------|
| Autoignition temperature  | No information available |
| Decomposition temperature | No information available |
| Kinematic viscosity       | No information available |
| Explosive properties      | No information available |
| Oxidizing properties      | No information available |

## 10. STABILITY AND REACTIVITY

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|                                    |   |
|------------------------------------|---|
| Reactivity                         | Not applicable  |
| Chemical stability                 | Stable under recommended storage conditions.            |
| Possibility of Hazardous Reactions | None under normal processing.                           |
| Hazardous polymerization           | No information available.                               |
| Conditions to avoid                | Extremes of temperature and direct sunlight.            |
| Incompatible materials             | Strong oxidizing agents.                                |
| Hazardous Decomposition Products   | Carbon oxides. Nitrogen oxides (NOx). Hydrogen sulfide. |

## 11. TOXICOLOGICAL INFORMATION

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### Information on likely routes of exposure

|              |                    |
|--------------|--------------------|
| Inhalation   | No data available. |
| Eye contact  | No data available. |
| Skin Contact | No data available. |
| Ingestion    | No data available. |

### Information on toxicological effects

|          |                           |
|----------|---------------------------|
| Symptoms | No information available. |
|----------|---------------------------|

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                  |                           |
|------------------|---------------------------|
| Chronic Toxicity | No information available. |
|------------------|---------------------------|

### Numerical measures of toxicity - Product Information

|                        |   |
|------------------------|---|
| Unknown acute toxicity | 100% of the mixture consists of ingredient(s) of unknown toxicity |
|------------------------|---|

## 12. ECOLOGICAL INFORMATION

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|             |  |
|-------------|--|
| Ecotoxicity | May cause long lasting harmful effects to aquatic life |
|-------------|--|

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

|                               |                           |
|-------------------------------|---------------------------|
| Persistence and degradability | No information available. |
| Bioaccumulation               | No information available. |
| Mobility                      | No information available. |

## 13. DISPOSAL CONSIDERATIONS

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|                        |   |
|------------------------|---|
| Disposal of wastes     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated packaging | Do not reuse container.   |

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## 14. TRANSPORT INFORMATION

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|      |               |
|------|---------------|
| DOT  | Not regulated |
| IMDG | Not regulated |
| IATA | Not regulated |

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## 15. REGULATORY INFORMATION

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### International Inventories

All of the components in the product are on the following Inventory lists

No information available

X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

|                                   |    |
|-----------------------------------|----|
| Acute health hazard               | No |
| Chronic Health Hazard             | No |
| Fire hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive hazard                   | No |

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### US State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### **U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

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## 16. OTHER INFORMATION

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Revision note No information available

### **Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the

date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**