



7040 Virginia Manor Road  
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## Material Safety Data Sheet

### Section 1. Identification of the Substance/Mixture

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**Product name:** Detergent Reagent

#### Manufacturer/Supplier identification

ABP Biosciences  
7040 Virginia Manor Road, Beltsville, MD 20705, USA  
Web: [www.abpbio.com](http://www.abpbio.com)  
Tel: 301-658-7993  
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**For research use only. Not for use in diagnosis procedures**

### Section 2. Hazards Identification

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#### GHS Classification

**Signal Word:** Danger



#### Hazard pictograms:

#### Health hazards:

|                               |            |
|-------------------------------|------------|
| Skin corrosion/irritation     | Category 2 |
| Serious eye damage/irritation | Category 1 |

**Physical hazards:** Not hazardous

#### Hazard Statements:

H315 - Causes skin irritation

H318 - Causes serious eye damage

#### Precautionary Statements

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P280 - Wear protective gloves/protective clothing/eye protection/face protection

#### HMIS

|              |   |
|--------------|---|
| Health       | 4 |
| Flammability | 0 |
| Reactivity   | 0 |

### Section 3. Composition/Information on Ingredients

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| Chemical Name | CAS No.  | Weight-% |
|---------------|----------|----------|
| SDS           | 151-21-3 | 5-15     |

We recommend handling all chemicals with caution.

### Section 4. First Aid Measures

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#### Description of first aid measures

|                           |  |
|---------------------------|--|
| <b>Skin contact</b>       | Rinse skin with water. If symptoms arise, call a physician.  |
| <b>Eye contact</b>        | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.   |
| <b>Ingestion</b>          | Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. |
| <b>Inhalation</b>         | Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.                                     |
| <b>Notes to Physician</b> | Treat symptomatically.   |

### Section 5. Fire-Fighting Measures

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#### Extinguishing media

|                                       |   |
|---------------------------------------|---|
| <b>Suitable extinguishing media</b>   | Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. |
| <b>Unsuitable extinguishing media</b> | No information available.   |

#### Special hazards arising from the substance or mixture

Not known

#### Protective equipment and precautions for firefighters

Standard procedure for chemical fires.

### Section 6. Accidental Release Measures

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

Ensure adequate ventilation  
Always wear recommended Personal Protective Equipment  
Use personal protection equipment  
See section 8 for more information

#### Environmental precautions

No special environmental precautions required.

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

Soak up with inert absorbent material.

#### Reference to other sections

See section 8 for more information.

### Section 7. Handling and Storage

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### Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

### Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

### Specific end use(s)

For research use only.

## Section 8. Exposure Controls/Personal Protection

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### Control parameters

#### Exposure Limits

| Chemical Name | OSHA PEL | OSHA PEL (Ceiling) | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|---------------|----------|--------------------|-----------------|------------------|
| SDS           | none     | none               | none            | none             |

#### Engineering Measures

Ensure adequate ventilation, especially in confined areas.

### Exposure controls

#### Personal Protective Equipment

##### Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

##### Hand protection

Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

##### Eye protection

Tight sealing safety goggles.

##### Skin and Body Protection

Wear suitable protective clothing.

##### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

#### Environmental exposure controls

Prevent product from entering drains.

## Section 9. Physical and Chemical Properties

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### Information on basic physical and chemical properties

|                               |            |
|-------------------------------|------------|
| Appearance                    | liquid     |
| Odor                          | No data    |
| Odor Threshold                | No data    |
| Molecular Weight              | No data    |
| Melting point / melting range | °C No data |
| Boiling point / boiling range | °C No data |
| Flash point                   | °C No data |
| Autoignition Temperature      | °C No data |
| Decomposition temperature     | °C No data |

|                                  |          |
|----------------------------------|----------|
| <b>Evaporation rate</b>          | No data  |
| <b>Flammability (solid, gas)</b> | No data  |
| <b>Upper explosion limit</b>     | No data  |
| <b>Lower explosion limit</b>     | No data  |
| <b>Vapor Pressure</b>            | No data  |
| <b>Vapor density</b>             | No data  |
| <b>Relative density</b>          | No data  |
| <b>Specific gravity</b>          | No data  |
| <b>Solubility</b>                | No data  |
| <b>Partition coefficient:</b>    |          |
| <b>n-octanol/water</b>           | No data  |
| <b>Viscosity</b>                 | No data  |
| <b>Explosive properties</b>      | No data  |
| <b>Oxidizing properties</b>      | No data  |
| <b>Other information</b>         | No data. |

## Section 10. Stability and Reactivity

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|   |   |
|---|---|
| <b>Reactivity</b>                         | None known.   |
| <b>Chemical stability</b>                 | Stable under normal conditions.                             |
| <b>Possibility of hazardous reactions</b> | Hazardous reaction has not been reported.                   |
| <b>Conditions to avoid</b>                | No information available.                                   |
| <b>Incompatible materials</b>             | No dangerous reaction known under conditions of normal use. |
| <b>Hazardous decomposition products</b>   | No data available   |

## Section 11. Toxicological information

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### Information on toxicological effects

| Chemical Name | ID50 (oral, rat/mouse) | ID50 (dermal, rat/rabbit) | ID50 (inhalation, rat/mouse)  |
|---------------|------------------------|---------------------------|-------------------------------|
| SDS           | 977 mg/kg (Rat)        | No data available         | >3900 mg/m <sup>3</sup> (Rat) |

### Principal Routes of Exposure

|  |   |
|--|---|
| <b>Eyes</b>  | Cause burns.  |
| <b>Skin</b>  | Skin irritation.  |
| <b>Inhalation</b>  | May be harmful by inhalation.                           |
| <b>Ingestion</b>   | May be harmful if swallowed.                            |
| <b>Specific target organ toxicity (STOT)–single exposure</b>   | Data are conclusive but insufficient for classification |
| <b>Specific target organ toxicity (STOT)–repeated exposure</b> | Data are conclusive but insufficient for classification |



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|                               |   |
|-------------------------------|---|
| <b>Carcinogenicity</b>        | Data are conclusive but insufficient for classification |
| <b>Germ cell mutagenicity</b> | Data are conclusive but insufficient for classification |
| <b>Reproductive toxicity</b>  | Data are conclusive but insufficient for classification |
| <b>Aspiration hazard</b>      | Data are conclusive but insufficient for classification |

## Section 12. Ecological Information

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### Ecotoxicity

Harmful to aquatic life with long lasting effects.

**Mobility in soil** No information available.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other adverse effects** No information available

## Section 13. Disposal considerations

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### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

## Section 14. Transport Information

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### IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations

**UN number** Not Applicable

**UN proper shipping name** Not Applicable

**Transport hazard class(es)** Not Applicable

**Packing group** Not Applicable

**Environmental hazards** Not Applicable

**Special precautions for user** Not Applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not Applicable.

## Section 15. Regulatory Information

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### **US Federal Regulations**

#### **SARA 313**

This product is not regulated by SARA.

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain HAPs

### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### **WHMIS Hazard Class**

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

### **National Regulations - Brazil**

Not regulated

## **Section 16. Other Information**

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For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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**End of Material Safety Data Sheet**