

# Material Safety Data Sheet

According to EC directive 2008/1272/EC

## Alphagen EtBr Destroyer Bag



Processing date 18.11.2020

Version 1

Printing date 18.11.2020

### 1. Identification of substance:

**Commercial Product Name:** Alphagen EtBr Destroyer Bag

**Article number:** APEBD 001, APEBD 001-1, APEBD 001-5, APEBD 003

**Application of the substance / the preparation:** Laboratory chemicals

**Supplier:** Alphagen Biotech Corp.

Address: No. 82, Ln. 11, Tantou Rd., Changzhi Township, Pingtung County 908128, Taiwan

Phone Number: 886-8-736-7106

Emergency telephone number: 886-8-736-7106

### 2. Composition/Data on components:

**Chemical characterization:**

**Description:** Mixture of the substances listed below.

**Dangerous components:**

Sodium Bisulfite (10%~20%): CAS: 7631-90-5  
RTECS: VZ 2000000

Potassium Chloride (10%~20%): CAS: 7447-40-7  
RTECS: TS 8050000

Sulfamic acid (5%~10%): CAS: 5329-14-6  
RTECS: WO 5950000

Ethylenediamine tetraacetic acid (5%~10%): CAS: 60-00-4  
RTECS: AH 4025000

Activate Carbon (50%~70%): CAS: 7440-44-0

### 3. HAZARDS IDENTIFICATION

#### Labelling according Regulation (EC) No 1272/2008

Pictogram	
Signal word	Warning
Hazard statement(s)	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.
Precautionary statement(s)	IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Supplemental Hazard Statements	none
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#### 4. First aid measures:

- **General information:** No special measures required.
- **After inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
- **After skin contact:** If the chemical got on the victim's exposed skin, such as the hands : Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap.
- **After eye contact:** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
- **After swallowing:** Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

#### 5. Fire fighting measures:

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

#### 6. Accidental release measures:

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

#### 7. Handling and storage:

- **Handling**
- **Information for safe handling:**  
No special measures required.  
No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:** Materials should be stored in a separate safety storage cabinet or room.
- **Requirements to be met by storerooms and receptacles:** According to product specification
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

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### 8. Exposure controls and personal protection:

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:** Not required
- **General protective and hygienic measures:**  
The usual precautionary measures should be adhered to when handling chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Goggles recommended during refilling.

### 9. Physical and chemical properties:

- **General Information**
  - Form:** Solid
  - Colour:** Colourless
  - Odour:** Odourless
- **Change in condition**
  - Melting point/Melting range:** undertermined
  - Boiling point/Boiling range:** undertermined
- **Flash point:** >100°C
- **Self igniting:** Product is not selfigniting.
- **Solubility in / Miscibility with Water:** Fully miscible
- **Organic solvents:** 0,0 %
- **Solids content:** 100 %

### 10. Stability and reactivity:

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

### 11. Toxicological information:

#### · Irritation Data:

**Oral, mouse:** LD50 = 1500 mg/kg.

**Oral, rat:** LD50 = 2600 mg/kg.

**on the skin:** 500 mg/24H, moderate.

**on the eye:** 100 mg/24H, moderate.

#### · Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU

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*Classification Guidelines for Preparations as issued in the latest version:  
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.*

### **12. Ecological information:**

**· General notes:**

*Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.*

*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

### **13. Disposal considerations:**

**· Product:**

**· Recommendation:** *Dispose of waste in accordance to applicable national, regional, or local regulations.*

**· Uncleaned packagings:**

**· Recommendation:** *Disposal must be made according to official regulations.*

### **14. Transport information**

**· Land transport ADR/RID (cross-border)**

**· ADR/RID class:** -

**· Maritime transport IMDG:**

**· IMDG Class:** -

**· Air transport ICAO-TI and IATA-DGR:**

**· ICAO/IATA Class:** -

**· Transport/Additional information:** *Not dangerous according to the above specifications.*

### **15. Regulations**

**· Safety phrases:**

*Observe the general safety regulations when handling chemicals*

**· National regulations**

**· Water hazard class:** *Generally not hazardous for water.*

### **16. Other information:**

*This information is based on our present knowledge.*