

# Material Safety Data Sheet

According to EC directive 2008/1272/EC

## Alphagen EtBr Destroyer Sprayer



Processing date 18.11.2020

Version 1

Printing date 18.11.2020

### 1. Identification of substance:

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

**Article number:** *APEBD 002, APEBD 002-1, APEBD 002-2, APEBD 002-3, 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 (1%): CAS: 7631-90-5  
RTECS: VZ 2000000*

*Potassium Chloride (2%): CAS: 7447-40-7  
RTECS: TS 8050000*

*Sulfamic acid (1%): CAS: 5329-14-6  
RTECS: WO 5950000*

*Ethylenediamine tetraacetic acid (1%): CAS: 60-00-4  
RTECS: AH 4025000*

### 3. HAZARDS IDENTIFICATION

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

Pictogram



Signal word

Warning

Hazard statement(s)

H302

Harmful if swallowed.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

Precautionary statement(s)

P305 + P351 + P338

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 |
|--------------------------------|------|

#### **4. First aid measures:**

Skin contact: Wash skin with water thoroughly.

Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.

Ingestion: Obtain medical attention.

#### **5. Fire fighting measures:**

Extinguishing media: No restriction.

Decomposition: Dangerous decomposition is not anticipated.

#### **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: Liquid is not inflammable. Liquid is not combustible. Open and handle vessels carefully.

Storage: Store at room temperature.

Do not store together with: No restriction.

#### **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.

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### 9. Physical and chemical properties:

#### · General Information

**Form:** Fluid

**Colour:** Colourless

**Odour:** Odourless

#### · Change in condition

**Melting point/Melting range:** undetermined

**Boiling point/Boiling range:** 100°C

· **Flash point:** >100°C

· **Self igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** 23 hPa

· **Density at 20°C:** 0.82 g/cm<sup>3</sup>

· **Solubility in / Miscibility with Water:** Fully miscible

· **pH-value at 20°C:** 8,0

· **Organic solvents:** 0,0 %

· **Water:** 100%

· **Solids content:** 0 %

### 10. Stability and reactivity:

Hazardous reactions: none under normal use

Hazardous decomposition products: none

### 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 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.

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### 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

#### 14.1 UN number

ADR/RID: 3316 IMDG: 3316 IATA: 3316

#### 14.2 UN proper shipping name

ADR/RID: CHEMICAL KIT

IMDG: CHEMICAL KIT

IATA: Chemical kit

#### 14.3 Transport hazard class(es)

ADR/RID: 9 IMDG: 9 IATA: 9

#### 14.4 Packaging group

ADR/RID: III IMDG: III IATA: III

#### 14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

#### 14.6 Special precautions for user

no data available.

### 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.