

# Material Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 7-AAD ..... Cat.No. 13-6993-T200 ..... Size 200 tests  
Catalog Number: 13-6993-T200  
Brand: Tonbo Biosciences  
Supplier: Tonbo Biosciences  
4940 Carroll Canyon Road  
San Diego, CA 92121-1735  
USA  
Telephone: +1 (855) 848-6626 toll-free  
Fax: +1 (858) 888-7301  
Emergency Phone: +1 (858) 888-7300  
Preparation Information: Tonbo Biosciences Product Safety  
+1 (855) 848-6626 toll-free

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## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### OSHA Hazards

This product contains no hazardous constituents or the concentration of all chemical constituents are below the regulatory thresholds under OSHA regulations.

This product contains no hazardous constituents or the concentration of all chemical constituents are below the regulatory thresholds under under the Globally Harmonised System (GHS)

### HMIS Classification

|                        |   |
|------------------------|---|
| Health Hazard:         | 1 |
| Chronic Health Hazard: | 0 |
| Flammability:          | 0 |
| Physical Hazards:      | 0 |

### NFPA Rating

|                    |   |
|--------------------|---|
| Health Hazard:     | 0 |
| Fire:              | 0 |
| Reactivity Hazard: | 0 |

### Potential Health Effects

|            |  |
|------------|--|
| Inhalation | Potentially causes respiratory tract irritation. |
| Skin       | Potentially causes skin irritation.              |
| Eyes       | Potentially Irritating to eyes.                  |
| Ingestion  | Potentially toxic if swallowed.                  |

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

7-Amino-actinomycin D (7-AAD) CAS number 7240-37-1

Sodium Azide (preservative) CAS number 26628-22-8

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### 4. FIRST AID MEASURES

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen and consult a physician.

#### **In case of skin contact**

Wash off immediately with soap and plenty of water, remove any contaminated clothing, and consult a physician.

#### **In case of eye contact**

Flush eyes with water for at least 15 minutes and consult a physician.

#### **If swallowed**

Contact poison control and/or consult a physician.

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### 5. FIREFIGHTING MEASURES

#### **Conditions of flammability**

Not flammable or combustible.

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### **Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### **Hazardous combustion products**

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### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions**

Avoid breathing vapors, mist or gas.

#### **Environmental precautions**

No special environmental precautions required.

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## **Methods and materials for containment and cleaning up**

Using appropriate personal protective equipment use a damp mop or sponge to clean up spill and surrounding area, keep in suitable, closed containers for disposal.

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## **7. HANDLING AND STORAGE**

### **Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

Special requirement: Light sensitive: prolonged exposure to light could result in decreased product performance but no known health or environmental hazards.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

#### **Respiratory protection**

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### **Eye protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin and body protection**

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Hygiene measures**

General industrial hygiene practice.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

|       |                    |
|-------|--------------------|
| Form  | liquid             |
| Color | clear, pink liquid |

### Safety data

|  |                   |
|--|-------------------|
| pH                                     | no data available |
| Melting point/freezing point           | no data available |
| Boiling point                          | no data available |
| Flash point                            | no data available |
| Ignition temperature                   | no data available |
| Autoignition temperature               | no data available |
| Lower explosion limit                  | no data available |
| Upper explosion limit                  | no data available |
| Vapour pressure                        | no data available |
| Density                                | no data available |
| Water solubility                       | no data available |
| Partition coefficient: n-octanol/water | no data available |
| Relative vapour density                | no data available |
| Odour                                  | no data available |
| Odour Threshold                        | no data available |
| Evaporation rate                       | no data available |

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## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

no data available

### Conditions to avoid

Prolonged light exposure may affect product performance or quality.

### Materials to avoid

Acidic material and metals and strong oxidizers. Sodium azide may react with metallic plumbing and form explosive metal azides.

### Hazardous decomposition products

Other decomposition products - no data available

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## 11. TOXICOLOGICAL INFORMATION

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## Acute toxicity

**Oral LD50**

**Inhalation LC50**

no data available

**Dermal LD50**

**Other information on acute toxicity**

no data available

## Skin corrosion/irritation

Potentially harmful in contact with skin.

## Serious eye damage/eye irritation

Eyes: potentially irritating to eyes.

## Respiratory or skin sensitization

Potentially harmful in contact with skin and may be harmful by inhalation.

## Germ cell mutagenicity

no data available

## Carcinogenicity

Possible carcinogen.

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.

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

May impair fertility and may cause harm to unborn child.

## Teratogenicity

no data available

## Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available

## Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

## Aspiration hazard

no data available

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## Potential health effects

|                   |  |
|-------------------|--|
| <b>Inhalation</b> | Potentially harmful if inhaled. May cause respiratory tract irritation.  |
| <b>Ingestion</b>  | Potentially toxic if swallowed.  |
| <b>Skin</b>       | Potentially harmful if absorbed through skin. May cause skin irritation. |
| <b>Eyes</b>       | Potentially irritating to eyes.  |

## Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Synergistic effects

no data available

## Additional Information

RTECS: Not available

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## 12. ECOLOGICAL INFORMATION

### Toxicity

no data available

### Persistence and degradability

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

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## 13. DISPOSAL CONSIDERATIONS

### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of product in accordance with federal, state, and local regulations.

### Contaminated packaging

Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

### OSHA Hazards

No known OSHA hazards

### SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

|                               | CAS-No.    | Revision Date |
|-------------------------------|------------|---------------|
| Sodium azide                  | 26628-22-8 | 2007-07-01    |
| 7-Amino-actinomycin D (7-AAD) | 7240-37-1  | 2007-07-01    |

### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

No SARA Hazards

**Reportable Quantity**    lowest RQ > 999999 lbs  
    lowest RQ > 999999 lbs

### Massachusetts Right To Know Components

|                               | CAS-No.    | Revision Date |
|-------------------------------|------------|---------------|
| Sodium azide                  | 26628-22-8 | 2007-07-01    |
| 7-Amino-actinomycin D (7-AAD) | 7240-37-1  | 2007-07-01    |

### Pennsylvania Right To Know Components

## Material Safety Data Sheet

|                               | CAS-No.    | Revision Date |
|-------------------------------|------------|---------------|
| Water                         | 7732-18-5  |               |
| Sodium azide                  | 26628-22-8 | 2007-07-01    |
| 7-Amino-actinomycin D (7-AAD) | 7240-37-1  | 2007-07-01    |

### New Jersey Right To Know Components

|                               | CAS-No.    | Revision Date |
|-------------------------------|------------|---------------|
| Water                         | 7732-18-5  |               |
| Sodium azide                  | 26628-22-8 | 2007-07-01    |
| 7-Amino-actinomycin D (7-AAD) | 7240-37-1  | 2007-07-01    |

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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## 16. OTHER INFORMATION

### Further information

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