

## MATERIAL SAFETY DATA SHEET

### SECTION-1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : **8-Bromo-2'-deoxyadenosine**  
CAS number : 14985-44-5  
Catalog : **CGIDFB-2400**  
Synonyms : 8-Bromo-2'-deoxy-D-adenosine  
Manufacturer or supplier's: ChemGenes India Pvt. Ltd  
207, Regency Plaza, 5-Park Road  
Lucknow-226 001,U.P,India,  
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### SECTION-2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification under CLP  
Acute Oral Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3.

2.2 Label elements  
Label elements under CLP  
Pictograms



Signal words Warning  
Hazard statements  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

Precautionary statements  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. 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.

2.3 Other hazards PBT  
This substance is not identified as a PBT substance.

### **SECTION-3 COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1 Substances

Product name : 8-Bromo-2''-deoxyadenosine  
MW: 284.25  
CAS number : 14985-44-5  
MF : C10H13FN6O3

### **SECTION-4 FIRST AID MEASURES**

#### 4.1 Description of first aid measures Skin contact

Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

#### Eye contact

Bathe the eye with running water for 15 minutes. Consult a doctor.

#### Ingestion

Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor. Transfer to hospital as soon as possible.

#### Inhalation

Consult a doctor. Remove casualty from exposure ensuring one's own safety whilst doing so.

#### 4.2 Most important symptoms and effects, both acute and delayed Skin contact

There may be mild irritation at the site of contact. There may be irritation and redness at the site of contact.

#### Eye contact

There may be irritation and redness. There may be pain and redness. The eyes may water profusely.

#### Ingestion

There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

#### Inhalation

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Absorption through the lungs can occur causing symptoms similar to those of ingestion.

#### Delayed / immediate effects

Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment

Eye bathing equipment should be available on the premises. Not applicable.

#### **SECTION-5 FIRE-FIGHTING MEASURES**

- 5.1 Extinguishing media  
Suitable extinguishing media for the surrounding fire should be used.
- 5.2 Special hazards arising from the substance or mixture Exposure hazards  
In combustion emits toxic fumes.
- 5.3 Advice for fire-fighters  
Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### **SECTION-6 ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures Personal precautions  
Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.
- 6.2 Environmental precautions  
Do not discharge into drains or rivers.
- 6.3 Methods and material for containment and cleaning up Clean-up procedures  
Transfer to a closable, labelled salvage container for disposal by an appropriate method.
- 6.3 Reference to other sections  
Refer to section 8 of SDS.

#### **SECTION-7 HANDLING AND STORAGE**

- 7.1 Precautions for safe handling Handling requirements  
Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.
- 7.2 Conditions for safe storage, including any incompatibilities Storage conditions  
Store in cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity.
- 7.3 Specific end use(s)  
No data available.

#### **SECTION-8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 8.1 Control parameters Workplace exposure limits  
Not applicable.
- 8.2 Exposure controls Engineering measures  
Ensure there is sufficient ventilation of the area.
- Respiratory protection  
Respiratory protective device with particle filter. Self- contained breathing apparatus must be available in case of emergency.
- Hand protection  
Protective gloves.

Eye protection  
Safety glasses. Ensure eye bath is to hand.

Skin protection  
Protective clothing.

## **SECTION-9 PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Information on basic physical and chemical properties

Physical Form:  
Colour:

9.2 Other information  
Not applicable.

## **SECTION-10 STABILITY AND REACTIVITY**

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions Hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat.

10.5 Incompatible materials Materials to avoid

Strong acids. Strong oxidising agents.

## **SECTION-11 TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects Toxicity values

Not applicable.

11.2 Information on toxicological effects Skin contact

There may be mild irritation at the site of contact. There may be irritation and redness at the site of contact.

Eye contact

There may be irritation and redness. There may be pain and redness. The eyes may water profusely.

Ingestion

There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Absorption through the lungs can occur causing symptoms similar to those of ingestion.

Delayed / immediate effects

Immediate effects can be expected after short-term exposure.

Other information

**SECTION-12            ECOLOGICAL INFORMATION**

- 12.1 Toxicity  
Not applicable.
- 12.2 Persistence and degradability  
Biodegradable.
- 12.3 Bioaccumulative potential  
No bioaccumulation potential.
- 12.4 Mobility in soil  
Readily absorbed into soil. No data available.
- 12.5 Results of PBT and vPvB assessment  
This substance is not identified as a PBT substance.
- 12.6 Other adverse effects  
Negligible ecotoxicity.

**SECTION-13            DISPOSAL CONSIDERATIONS**

- 13.1 Waste treatment methods Disposal operations  
Transfer to a suitable container and arrange for collection by specialised disposal company.  
NB  
The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**SECTION-14            TRANSPORT INFORMATION**

This product does not require a classification for transport.

**SECTION-15            REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture  
Not applicable.  
Chemical Safety Assessment  
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**SECTION 16.            OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ChemGenes (I) Pvt. Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

-----End of MSDS-----