

## MATERIAL SAFETY DATA SHEET

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

#### Product information

|                 |   |
|-----------------|---|
| Product Name    | <b>Cytidine</b>   |
| Synonyms        | Cytosine $\beta$ -D-ribose; Cytosine-1- $\beta$ -D-ribofuranoside |
| Catalog Number  | <b>CGIRP-1184</b>   |
| Recommended use | Laboratory Use only   |

#### Manufacturer or supplier's name and address

ChemGenes India Pvt. Ltd  
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Lucknow-226 001,U.P, India,  
Ph: +91 86874 21036,  
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### SECTION 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

|                       |                |
|-----------------------|----------------|
| Physical Hazards      | Not Classified |
| Health Hazards        | Not Classified |
| Environmental Hazards | Not Classified |

#### Label elements

##### According to EC1272/08 Regulation

|             |      |
|-------------|------|
| Hazardous   | No   |
| Symbol      | None |
| Pictogram   | None |
| Signal Word | None |

Hazard Statement(s) None

Precautionary Statement None

Other hazards To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

There are other cautious statements throughout the safety data sheet.

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

Substance related information

|                  |              |
|------------------|--------------|
| Substance Name   | Cytidine     |
| CAS No.          | 65-46-3      |
| Formula          | C9H13N3O5    |
| Molecular Weight | 243,22 g/mol |

### **SECTION 4. FIRST AID MEASURES**

General advice

Consult a physician. Move out of dangerous area.

In case inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If case if swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed.

The most important known symptoms and effects are described in the labeling (see section 11)

Indication of any immediate medical attention and special treatment needed.

No data available

### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media

Suitable foam

Dry extinguishing powder

Carbon dioxide

Water Spray Jet

Hazards arising from the substance or mixture

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice

Wear a self-contained breathing apparatus for s for firefighting. Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately.

Further information  
No data available

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### Personal Precautions

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation. Avoid breathing dust. Do not attempt to take action without suitable protective clothing.

### Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up  
Data Not Available

### Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

## **SECTION 7. HANDLING AND STORAGE**

### Handling

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

### Storage

Storage temperature  
Store At 2°C - 8°C

### Storage Requirements

Keep away from incompatible substances. Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

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

Control parameters

Ingredients with workplace control parameters

Exposure controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands clean to maintain hygiene.

Eye/face protection

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

Skin protection.

Use gloves. Gloves must be inspected before being used. To avoid skin contact with this product, remove gloves properly (without touching the outer surface). After using contaminated gloves, dispose of them in line with applicable legislation and good laboratory practices. Hands should be washed and thoroughly dried.

Body Protection

Choose body protection based on the type, concentration, and volume of toxic substances, as well as the specific workplace. When selecting protective equipment for a workplace, consider the concentration and number of hazardous substances present.

Respiratory Protection

Respiratory protection is not needed. Dust masks of type N95 (US) or P1 (EN 143) are recommended for protection against nuisance levels of dust. Use respirators and components that have been tested and approved under appropriate government standards, such as NIOSH (US) or CEN (EU).

Control of environmental exposure.

Do not let the product enter drains.

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

|            |              |
|------------|--------------|
| Form       | Powder       |
| Appearance | White        |
| Molar Mass | 243,22 g/mol |

## **SECTION 10. STABILITY AND REACTIVITY**

|                        |   |
|------------------------|---|
| Reactivity             | No data available                           |
| Chemical stability     | No data available                           |
| Hazardous reactions    | No data available                           |
| Conditions to avoid    | Incompatible materials                      |
| Incompatible materials | Strong oxidizing agents, Strong bases/acids |

Hazardous decomposition products

Nitrogen oxides (NO<sub>x</sub>)

Carbon dioxide (CO<sub>2</sub>)

Carbon monoxide

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on toxicological effects

|   |                   |
|---|-------------------|
| Acute toxicity  | No data available |
| Oral  | No data available |
| Inhalation  | No data available |
| Dermal  | No data available |
| Skin corrosion/irritation                             | No data available |
| Eye damage/irritation                                 | No data available |
| Respiratory/skin sensitization                        | No data available |
| Germ cell mutagenicity                                | No data available |
| Carcinogenicity                                       | No data available |
| Reproductive toxicity                                 | No data available |
| Specific target organ<br>toxicity - single exposure   | No data available |
| Specific target organ toxicity<br>- repeated exposure | No data available |
| Aspiration hazard                                     | No data available |

Other Relevant Toxicity Information

We are not aware of any toxicology data.

## **SECTION 12. ECOLOGICAL INFORMATION**

|                               |                   |
|-------------------------------|-------------------|
| Toxicity                      | No data available |
| Persistence and degradability | No data available |
| Bioaccumulative potential     | No data available |
| Mobility in soil              | No data available |
| Results of PBT and            |                   |

|                       |  |
|-----------------------|--|
| vPvB assessment       | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted |
| Other adverse effects | No data available  |

### **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods

|                        |   |
|------------------------|---|
| Product                | Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable. |
| Contaminated packaging | No data available   |

### **SECTION 14. TRANSPORT INFORMATION**

|            |         |         |
|------------|---------|---------|
| UN number  |         |         |
| ADR/RID: - | IMDG: - | IATA: - |

|                         |                     |
|-------------------------|---------------------|
| UN proper shipping name |                     |
| ADR/RID                 | Not dangerous goods |
| IMDG                    | Not dangerous goods |
| IATA                    | Not dangerous goods |

|                            |         |         |
|----------------------------|---------|---------|
| Transport hazard class(es) |         |         |
| ADR/RID: -                 | IMDG: - | IATA: - |

|                 |         |         |
|-----------------|---------|---------|
| Packaging group |         |         |
| ADR/RID: -      | IMDG: - | IATA: - |

|                       |         |       |
|-----------------------|---------|-------|
| Environmental hazards |         |       |
| ADR/RID:              | IMDG: - | IATA: |

Special precautions for user  
Not considered unsafe according to transportation regulations.

### **SECTION 15. REGULATORY INFORMATION**

Safety, health and environmental and national regulations  
The product is not covered by any additional restrictions or provisions.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

**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 India Pvt. Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

ChemGenes India Pvt. Ltd.

-----End of Safety Data Sheet-----