# Material Safety Data Sheet (MSDS)

## 1. Product and Company Identification

| | |
|---|---|
| Product Name | 5-Methyl-CTP Sodium Salt, 100mM |
| CAS Registry Number | 327174-86-7 (free acid) |
| Application | Raw material for mRNA synthesis |
| Unit Size | 100 uL / 1 mL / 5 mL |
| Manufacturer | Vicbio Biotechnology Co., Ltd. |
| | Floor 12, Building 57, No.2, Jingyuanbei Street, Beijing, China, 100176 |
| | Tel: +86-13269219473 |
| | Email: info@nebulabio.com |
| | Website: www.nebulabio.com |
| Emergency Information | Tel: +86-010-56266045 |

## 2. Composition / Information on Components

| | |
|---|---|
| IUPAC | 5-Methylcytidine-5'-triphosphate, Sodium salt |
| Molecular Formula | C10H15N3Na3O14P3 |
| Molecular Weight | 563.1 |

## 3. Hazards Identification

| | |
|---|---|
| Emergency Overview | To our knowledge, the hazards of this material have not been thoroughly investigated. We are not aware of any toxicity data for this product. We recommend handling all chemicals with caution. |

Potential Health Effects

| | |
|---|---|
| Inhalation | No data available |
| Ingestion | No data available |
| Skin | No data available |
| Eyes | No data available |
| Chronic Exposures | No data available |
| Target Organs | No data available |

## 4. First Aid Measures

Potentially harmful. Avoid prolonged or repeated exposure. Wash thoroughly after handling. If eye or skin contact occurs, wash affected area with water for 15 minutes and seek medical advice. If inhaled, move individual to fresh air and seek medical advice. If swallowed wash mouth with water and seek medical advice.

## 5. Fire Fighting Measures

Use dry chemical powder or appropriate foam extinguisher

## 6. Accidental Release Measures

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

## 7. Handling and Storage

Store at -20°C, desiccate

Delivery is possible at 2-8℃

## 8. Exposure Controls / Personal Protection

Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices

ACGIH/OSHA Permissible Exposure Limit Data: No data available

## 9. Physical and Chemical Properties

| | |
|---|---|
| Form | Colorless liquid |
| Odor | Odourless |
| Solubility | Soluble |
| Specific Gravity | No data available |
| pH | No data available |
| Boiling Point | No data available |
| Melting Point | No data available |
| Flash Point | No data available |
| Vapor Pressure | No data available |

## 10. Stability and Reactivity

| | |
|---|---|
| Thermal Decomposition | No data available |
| Dangerous Reactions | No data available |
| Dangerous Products of Decomposition | No data available |

## 11. Toxicological Information

| | |
|---|---|
| RTECS Number | No data available |
| Toxicity | We are not aware of any toxicity data for this product |
| Health Hazards | See Potential Hazards below |
| Potential Hazards | To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated |
| Carcinogenicity | No data available |

## 12. Ecological Information

No data available

## 13. Disposal Considerations

Consult local, state or national regulations for proper disposal

## 14. Transport Information

| | |
|---|---|
| Hazard Class | No data available |
| Identification Number | No data available |
| Packing Group | No data available |
| Proper Shipping Name (Technical Name) | No data available |

## 15. Regulations

| | |
|---|---|
| US Toxic Substances Control Act (TSCA) | No data available |
| US Other | No data available |
| EEC EINICS Number | No data available |
| EEC Risk Statements | No data available |
| Other Country Regulations | No data available |

## 16. Other Information

This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. Vicbio Biotechnology Co., Ltd. shall not be held liable for any damage resulting from handling or contact with the above product.