



The information is based on our existing knowledge and shall be used only as a guide. Moreover, this shall not constitute a guarantee for any specific product features. ChemCyte is not held liable for any damage resulting from handling or from contact with the products.

MATERIAL SAFETY DATA SHEET

Section 1 – Chemical Product Identification

Catalog Number (s): CC-4004-1, CC-4004-5, CC-4004-10
Chemical Name: ddCTP; 2',3'- dideoxycytidine-5'thiotriphosphate, lithium salt
Formula: C₉H₁₆N₃O₁₂P₃ (acid form)
Chemical Family: Sugar Modified Nucleoside Triphosphate

Section 2 – Composition/Information on Ingredient

Components: Single compound in distilled water

Section 3 – Hazardous Identification

Potential Acute Health Effects: Prevent contact and inhalation
Potential Chronic Health Effects: Not available
Carcinogenic Effects: Not available
Mutagenic Effects: Not available
Teratogenic Effects: Not available
Developmental Toxicity: Not available

Section 4 – First Aid Measures

Eye Exposure: Check for and remove any contact lenses, and immediately flush eyes with plenty of water for about 15 minutes. Get medical attention.
Skin Contact: Wash skin with soap and water. Get medical attention if irritation develops.
Inhalation Exposure: If inhaled, move to fresh air, if breathing becomes difficult call for medical help.
Ingestion: If any quantity of this material is swallowed, wash out mouth with water and call a physician immediately.

Section 5 – Fire Fighting Measures

Flash Point: Not available
Auto-ignition Temp: Not available
Flammability: Not available

Fire Extinguishing Media: It is suitable for water spray, carbon dioxide, dry chemical powder or appropriate foam.

Section 6 – Accidental Release Measures

Methods for Clean Up: Absorb on vermiculate or sand and place it in a closed containers or a bag to be disposed. After material is picked ventilate area and wash spills.

Section 7 – Handling and Storage

Handling: Avoid inhalation and contact with eyes, skin, and clothing. Avoid long exposure of any kind.

Storage: Store it at -20°C.

Section 8 – Exposure Control/ Personal Protection

Exposure Limit: This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Eye Protection: Safety glasses or goggles

Skin Protection: Protective gloves, a lab coat

Hygiene Measures: Avid eating, drinking and smoking while working with products. Wash hands after handling compounds the end of the day.

Section 9 – Physical and Chemical Properties

Appearance: Clear solution

Solubility: Water

Flash Point: Not available

Explosive Properties: Not available

pH: ~ 7.0

Section 10 – Stability and Reactivity

Stability: stable

Materials to Avoid: Strong oxidizing agents

Hazardous Decomposition Products: Nature of decomposition products not known

Hazardous Polymerization: Will not occur

Section 11 – Toxicological Information

Route of Exposure:

Skin Contact: May cause skin irritations

Eye Contact: May be hazardous if it is absorbed through skin

Inhalation: It may cause irritation of upper respiratory tract and mucous membranes if it is inhaled.

Ingestion: May be harmful if swallowed.
Target Organ(s): Bone marrow, Nerves.

Signs and Symptoms of Exposure: To the best of our knowledge toxicological properties of this compound have not thoroughly investigated.

Section 12 – Ecological Information

No data available.

Section 13 – Disposal Considerations

Contact appropriate agency for disposing this product. Observe all federal, state, and local environmental regulations.

Section 14 – Transportation Information

Not regulated.

Section 15 – Regulatory Information

HMIS Rating:

Health Hazard:	1
Fire hazard:	0
Reactivity:	0

NFPA Rating:

Health:	1
Flammability:	0
Reactivity:	0

Section 16 – Other Information

Special consideration:

This product is for research use only.