

1. IDENTIFICATION

1.1 Product Identifiers

Product Name(s): 5-Carboxycytidine-5'-Triphosphate
5-Carboxy-CTP
Product Number: N-1084
CAS Number: Not applicable.

1.2 Uses

Recommended use: Laboratory chemicals, manufacture of substances.
Uses advised against: No Information Available

1.3 Details of the Supplier of the Safety Data Sheet

Supplier address: TriLink BioTechnologies, Inc.
9955 Mesa Rim Road
San Diego, CA 92121
USA
Company phone: 858-546-0004
800-863-6801 (toll free)
Fax: 858-546-0020
Email address: info@trilinkbiotech.com

1.4 Emergency Telephone Number

Emergency Phone: 858-546-0004
800-863-6801 (toll free)
7 am – 5 pm PST, Monday-Friday

2. HAZARD IDENTIFICATION

2.1 Classification

Not a dangerous substance or mixture

2.2 Label Elements

Not a hazardous substance or mixture.

2.3 Hazards not Otherwise Classified (HNOC) or not covered by GHS

None

3. COMPOSITION

3.1 Substances

No ingredients are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

4.1 First Aid Measures

Eye contact: Immediately flush eyes with copious amounts of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact: Immediately wash skin with soap and water.
Inhalation: Remove to fresh air.
Ingestion: If swallowed, wash out mouth with water provided person is conscious. Consult a physician.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

No information available.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

No information available.

5. FIRE-FIGHTING MEASURE

5.1 Extinguishing Media

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

5.2 Special Hazards Arising from Product

No information available.

5.3 Advice for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Avoid breathing vapors, mists or gas. See Section 8 for personal protection.

6.2 Environmental Precautions

See Section 12 for additional ecological information.

6.3 Methods and Materials for Containment and Clean Up

Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. This material and its container must be disposed of as hazardous waste.

7. HANDLING & STORAGE

7.1 Precautions for Safe Handling

Ensure adequate ventilation. Avoid breathing vapors, mists or gas. See Section 8 for personal protection.

7.2 Conditions for Safe Storage

Keep/store only in original container. Storage Temperature: -20°C or below.

7.3 Incompatibilities

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2 Appropriate Engineering Controls

General industrial hygiene practices.

8.3 Individual Protection Measures

Eye/Face Protection: Wear safety glasses with side shields (or goggles).

Skin/Body Protection: Wear suitable protective clothing and gloves.
Respiratory Protection: Use in well ventilated areas.
General: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

| | |
|----------------------------------|---|
| Physical state: | Liquid |
| Appearance: | Colorless |
| Odor: | Mild |
| pH: | Refer to trilinkbiotech.com for specific information. |
| Melting Point/Freezing Point: | No information available |
| Boiling Point/Boiling Range: | No information available |
| Flash Point: | No information available |
| Evaporation Rate: | No information available |
| Flammability (solid, gas): | No information available |
| Upper/Lower Flammability Limits: | No information available |
| Vapor Pressure: | No information available |
| Vapor Density: | No information available |
| Relative Density: | No information available |
| Specific Density: | No information available |
| Water Solubility: | No information available |
| Partition Coefficient: | No information available |
| Autoignition Temperature: | No information available |
| Decomposition Temperature: | No information available |
| Viscosity: | No information available |
| Oxidizing Properties: | No information available |

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Can react briskly with oxidizers, danger of explosion.

10.4 Conditions to avoid

Incompatible materials. Ignition sources. Heat.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

| | |
|--------------|---|
| Inhalation | Avoid breathing vapors or mists. May cause irritation of respiratory tract. |
| Eye contact | Redness. May cause slight irritation. |
| Skin contact | Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking. |
| Ingestion | May cause drowsiness or dizziness. Ingestion causes burns of the upper digestive and respiratory tracts. Symptoms include burning sensation, coughing, wheezing, shortness of breath, headache, nausea, and vomiting. |

11.2 Information on toxicological effects

Symptoms No information available.

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|------------------------------------|---|
| Skin corrosion/Irritation: | Mild |
| Serious Eye Damage/Eye Irritation: | Mild |
| Skin or Respiratory Sensitization: | No information available |
| Germ Cell Mutagenicity: | No information available |
| Carcinogenicity: | No information available |
| Reproductive Toxicity: | No information available |
| Developmental Toxicity: | No information available |
| Teratogenicity: | No information available |
| STOT – Single Exposure: | No information available |
| STOT – Repeated Exposure: | No information available |
| Target Organs: | Kidneys, eyes, skin, respiratory system |
| Chronic Toxicity: | No information available |
| Subchronic Toxicity: | No information available |
| Neurological Effects: | No information available |
| Aspiration Hazard: | No information available |
| Other Adverse Effects: | No information available |

12. ECOLOGICAL INFORMATION

12.1 Marine pollutant

No information available

12.2 Ecotoxicity

No information available

12.3 Persistence and degradability

No information available

12.4 Bioaccumulation

No information available

12.5 Mobility

No information available

12.6 Other adverse effects

| | |
|----------------------------|--------------------------|
| Ozone: | No information available |
| Ozone Depletion Potential: | No information available |

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|-------------------------|--|
| Relevant Information: | Keep out of drains, sewers, ditches and waterways. |
| Disposal Method: | Use a licensed professional waste disposal service to dispose of this product. Product may be dissolved in a combustible solvent or absorbed onto a combustible material and burned by a chemical incinerator. |
| Contaminated Packaging: | Dispose of as unused product. |

14. TRANSPORT INFORMATION

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|------|----------------------|
| Dot: | Not dangerous goods. |
|------|----------------------|

15. REGULATORY INFORMATION

15.1 US Federal Regulations

| | |
|------------------------|---|
| Clean Water Act (CWA): | This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42). |
| CERCLA: | This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material. |

15.2 US State Regulations

| | |
|----------------------------|---|
| California Proposition 65: | This product does not contain any Proposition 65 chemicals. |
|----------------------------|---|

16. OTHER INFORMATION

16.1 HMIS Rating

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

16.2 NFPA Rating

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

16.3 Preparation Information

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|--------------|---|
| Prepared By: | TriLink BioTechnologies, Inc. 858-546-0004 |
| Issue Date: | 2016-05-31 |
| Version: | 3 |

16.4 Further Information

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