

Material Safety Data Sheet (MSDS) for cAMP Standard



I. Identification:

Product name: cAMP Standard
Product Catalog: 5456
CAS number: 60-92-4
Manufacturer Supplier: Cell Signaling Technology
 3 Trask Lane
 Danvers, MA 01923 USA
 1-978-867-2300 TEL
 1-978-867-2400 FAX
 1-978-578-6737 Emergency Phone

II. Composition/Information on Ingredients:

Substance Name: Adenosine 3,5'-cyclic monophosphate
Synonyms: cAMP
CAS#: 60-92-4
Formula: C₁₀H₁₂N₅O₆P
Molecular weight: 329.21 g/mol

III. Hazard Identification:

!! CAUTION: This product is not for use in humans. It is intended for research purposes only. To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been established.

Emergency Overview :

OSHA: No known hazards.

This substance is not classified as dangerous according to Directive 67/548/EEC.

IV. First Aid Measures for Hazardous Ingredient:

Inhalation: Remove to fresh air. If breathing is difficult, get medical attention.

Ingestion: If person is conscious, wash out mouth with water. Get medical attention.

Skin contact: In case of contact, immediately wash skin with soap and water for at least 15 minutes. Remove contaminated clothing. Wash clothing before reuse.

Eye contact: In case of contact with eyes, immediately flush eyes water for at least 15 minutes. Get medical attention.

V. Fire Fighting Measures:

Flash Point: Data not available.

Autoignition Temperature: Data not available.

Explosion: Data not available.

Fire extinguishing media: Water spray, dry chemical, foam, or carbon dioxide.

Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes. May emit toxic fumes under fire conditions.

VI. Accidental Release Measures:

Wear appropriate personal protective equipment as indicated in Section 8. Absorb liquid with an absorbent material. Transfer contaminated absorbent to a closed chemical waste container for disposal. Wash spill site after material has been picked up for disposal.

VII. Handling and Storage:

Store at -20°C in tightly closed container.

Avoid inhalation of vapor or mist. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

VIII. Exposure Controls/Personal

Ventilation System: A system of local (fume hood) and general exhaust is recommended.

Skin Protection: Wear compatible chemical resistant gloves and protective clothing.

Eye protection: Wear chemical safety goggles. Maintain emergency eyewash and quick-drench facilities in work area.

IX. Physical and Chemical Properties

Appearance:	Lyophilized powder
Odor:	Data not available
pH:	Data not available
Boiling Point:	Data not available
Melting or Freezing Point:	Data not available
Flash Point:	Data not available
Volatile Organic Compounds (VOC):	Data not available
Autoignition temp.	Data not available
Solubility (water):	Soluble in water

X. Stability and Reactivity:

Stability: Stable under ordinary conditions.

Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition: No data available.

XI. Toxicological Information:

Acute toxicity: Not established.

Chronic exposure: Not established.

Potential Health Effects:

Inhalation: May be harmful if inhaled.

Skin: May be harmful if absorbed through skin.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

XII. Ecological Information:

Data not available

XIII. Disposal Considerations:

Dispose of in accordance with federal, state and local environmental regulations.

XIV. Transport Information:

DOT: Not dangerous goods.

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA : Not dangerous goods.

XV. Regulatory Information:

Labeling according to EC Directives:

This product does not need to be labeled, in accordance with EC Directives or respective laws.

US Regulatory Information:

SARA Listed: No

Canada (WHMIS): DSL No, NDSL No.

XVI. Other Information:

This compound is sold only for research use only. It is not for use in humans. To the best of our knowledge, this document is accurate. It is intended to serve as a guide for safe use of this product in a laboratory setting by experienced personnel. The burden of safe use of this material rests entirely with the user. Cell Signaling Technology, Inc., shall not be held liable for any damage resulting from the handling of or from contact with the above product.