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# Safety Data Sheet

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

| | |
|---|---|
| Product name: | 2',3'-cGAMP, sodium salt |
| Product number: | 20313 |

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| Identified uses: | For research use only. Not intended for diagnostic or therapeutic use. |

### 1.3 Details of the supplier of the safety data sheet

| | |
|---|---|
| Company: | AAT Bioquest, Inc. |
| Address: | 5775 W Las Positas Blvd, Pleasanton, CA 94588 |
| Telephone: | (408)-733-1055 |
| Fax: | (408)-733-1304 |
| Email: | info@aatbio.com |

### 1.4 Emergency telephone number

| | |
|---|---|
| Chemtrec (Within USA): | 1-(800)-424-9300 |
| Chemtrec (Outside USA): | 1-(703)-527-3887 |

## Section 2: Hazard identifications

### 2.1 Classification of the substance or mixture

Not evaluated; GHS hazards have not been determined.

### 2.2 Label elements

| | |
|---|---|
| Signal word: | Not available |
| Hazard statements: | Not available |
| Symbols/Pictograms: | Not available |
| Precautionary statements - prevention: | Not available |
| Precautionary statements - response: | Not available |
| Precautionary statements - storage: | Not available |
| Precautionary statements - disposal: | Not available |

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

| | |
|---|---|
| Hazards not otherwise classified (HNOC): | Not available |

### 2.4 Other information

| | |
|---|---|
| Other hazards: | Not available |

## Section 3: Composition/information on ingredients

### 3.1 Substances

| | |
|---|---|
| Chemical name: | 2',3'-cGAMP, sodium salt |
| CAS number: | Not available |
| EINECS number: | Not available |
| Molecular weight: | 718.38 |
| Formula: | Not available |

## Section 4: First aid measures

### 4.1 First-aid measures

| | |
|---|---|
| General advice: | If symptoms occur, seek medical advice/attention. |
| Eye contact: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. |
| Skin contact: | Rinse cautiously with water for several minutes. Consult a physician if necessary. |
| Inhalation: | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary. |
| Ingestion: | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Consult a physician if necessary. |
| Self-protection of the first aider: | Use personal protective equipment. |

### 4.2 Most important symptoms and effects, both acute and delayed

| | |
|---|---|
| Symptoms: | No information available. |

### 4.3 Indication of any immediate medical attention and special treatment needed

| | |
|---|---|
| Note to physicians: | Treat symptomatically. |

## Section 5: Firefighting measures

### 5.1 Suitable extinguishing media

| | |
|---|---|
| Suitable extinguishing media: | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media: | No information available. |

### 5.2 Specific hazards arising from the chemical

| | |
|---|---|
| Specific hazards arising from the chemical: | No information available. |
| Hazardous combustion products: | No information available. |

### 5.3 Explosion data

| | |
|---|---|
| Sensitivity to mechanical impact: | No information available. |
| Sensitivity to static discharge: | No information available. |

### 5.4 Protective equipment and precautions for firefighters

| | |
|---|---|
| Protective equipment and precautions for firefighters: | Standard procedure for chemical fires. |

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment, and emergency procedures

| | |
|---|---|
| Personal precautions: | Use appropriate personal protective equipment. Ensure adequate ventilation. |

### 6.2 Environmental precautions

| | |
|---|---|
| Environmental precautions: | Avoid discharge into drains and waterways whenever possible. |

### 6.3 Methods and material for containment and cleaning up

| | |
|---|---|
| Methods for containment: | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up: | Take up mechanically, placing in appropriate containers for disposal. |

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

| | |
|---|---|
| Advice on safe handling: | Use personal protective equipment as required. No special handling advices are necessary. |

### 7.2 Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| Storage conditions: | Keep in a properly-labeled container. Keep the container tightly closed in a cool, dry and well-ventilated place. |
| Incompatible materials: | No information available. |

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

| | |
|---|---|
| Exposure guidelines: | No information available. |

### 8.2 Appropriate engineering controls

| | |
|---|---|
| Engineering controls: | Ensure adequate ventilation, especially in confined areas. |

### 8.3 Individual protection measures, such as personal protective equipment

| | |
|---|---|
| Eye/face protection: | Tight sealing safety goggles. |
| Skin and body protection: | Wear protective gloves and clothing. |
| Respiratory protection: | In case of insufficient ventilation wear suitable respiratory equipment. |
| General hygiene considerations: | When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Keep away from food, drink, and animal feeding stuffs. |

## Section 9: Physical and chemical properties

| | |
|---|---|
| Physical state: | Solid |
| Solubility in water: | High |
| Appearance: | No information available. |
| Odor/odor threshold: | No information available. |
| pH: | No information available. |
| Melting point/freezing point: | No information available. |
| Boiling point: | No information available. |
| Flashpoint: | No information available. |
| Liquid density: | No information available. |
| Evaporation rate: | No information available. |
| Upper flammability limit: | No information available. |
| Lower flammability limit: | No information available. |

| | |
|---|---|
| Vapor pressure: | No information available. |
| Vapor density: | No information available. |
| Specific gravity: | No information available. |
| Water solubility: | No information available. |
| Solubility in other solvents: | No information available. |
| Partition coefficient: | No information available. |
| Autoignition temperature: | No information available. |
| Decomposition temperature: | No information available. |
| Viscosity: | No information available. |
| Explosive properties: | No information available. |
| Oxidizing properties: | No information available. |

## Section 10: Stability and reactivity

| | |
|---|---|
| Reactivity: | None known. |
| Chemical stability: | Stable under normal conditions. |
| Possibility of hazardous reactions: | Hazardous reaction has not been reported. |
| Hazardous polymerization: | No information available. |
| Conditions to avoid: | No information available. |
| Incompatible materials: | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products: | No information available. |

## Section 11: Toxicological information

### 11.1 Information on likely routes of exposure

| | |
|---|---|
| Inhalation: | No information available. |
| Eye contact: | No information available. |
| Skin contact: | No information available. |
| Ingestion: | No information available. |

### 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

| | |
|---|---|
| Chronic toxicity: | No information available. |

### 11.4 Numerical measures of toxicity - product information

| | |
|---|---|
| Unknown acute toxicity: | No information available. |

## Section 12: Ecological information

| | |
|---|---|
| Ecotoxicity: | No information available. |
| Persistence and degradability: | No information available. |
| Bioaccumulation: | No information available. |
| Mobility: | No information available. |

## Section 13: Disposal consideration

| | |
|---|---|
| Disposal of wastes: | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated packaging: | Do not reuse container. |
| Other information: | None |

## Section 14: Transport information

| | |
|---|---|
| DOT: | Not regulated |
| IMDG: | Not regulated |
| IATA: | Not regulated |

## Section 15: Regulatory information

### 15.1 International Inventories

| | |
|---|---|
| US Toxic Substances Control Act (TSCA): | Not listed |
| Canada (DSL/NDSL): | Not listed |
| Europe (EINECS/ELINCS/NLP): | Not listed |
| Australia (AICS): | Not listed |
| South Korea (KECL): | Not listed |
| China (IECSC): | Not listed |
| Japan (ENCS): | Not listed |
| Phillipines (PICCS): | Not listed |

### 15.2 US Federal Regulations

| | |
|---|---|
| SARA 313: | Not listed |
| SARA 311/312 components: | Not listed |
| CWA (Clean Water Act): | No information available. |

### 15.3 US State Regulations

| | |
|---|---|
| California Proposition 65: | Not listed |
| Massachusetts-RTK: | Not listed |
| New Jersey-RTK: | Not listed |
| Pennsylvania-RTK: | Not listed |
| U.S. State Right-To-Know Regulations: | No information available. |

## Section 16: Other information

### 16.1 HMIS

| | |
|---|---|
| Health hazards: | Not determined |
| Flammability: | Not determined |
| Reactivity: | Not determined |
| Personal protection: | Not determined |

### 16.2 NFPA

| | |
|---|---|
| Health hazards: | Not determined |
| Flammability: | Not determined |
| Stability: | Not determined |

| | |
|---|---|
| Physical and chemical properties: | Not determined |

### 16.3 Further information

This material is sold for research purposes only and is not required to appear on the TSCA inventory. 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 believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding the completeness of the information based on all sources available. AAT Bioquest shall not be held liable for any damage resulting from handling or from contact with the above product.