

AU7417000

SAFETY DATA SHEET

Adenosine 5'-triphosphate (sodium salt)

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| 987-65-5 | Adenosine 5'-triphosp | | 100.0 % | 213-579-1 | Self-Heat. 2: H252 |
|---|--|---|--|---------------------------------------|--|
| CAS # / RTECS # | Hazardous Compo REACH Registrati | onents (Chemical Name)/ on No. | Concentration | EC No./ EC Index No. | GHS Classification |
| | Secti | on 3. Composition | /Information o | on Ingredier | nts |
| GH H25 GH P23 P28 GH No GH Plea 2.3 Adve | S Precaution Phrases 35+410: Keep cool and 30: Wear {protective glo S Response Phrases: phrases apply. S Storage and Dispos ase refer to Section 7 for erse Human Health cts and Symptoms: | protect from sunlight. protect from sunlight. protective clothing/eye protective clothing/eye protective clothing/eye protection sal Phrases: protection 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp Self-heating in large quantities | Disposal information ne mucous membran , ingestion, or skin ab iratory system irritatio s; may catch fire. | es and upper res osorption. on. | piratory tract. been thoroughly investigated. |
| Sel | sification of the Subst f-Heating Substances I Elements: | ance or Mixture: | | | |
| | | Section 2. Haz | zards Identific | | |
| | gency telephone num ergency Contact: | Iber: CHEMTREC Within USA CHEMTREC Outside US | | - | 0)424-9300 3)527-3887 |
| | ormation: | www.caymanchem.com Cayman Chemical Comp | any | +1 (734 | 4)971-3335 |
| | npany Name: b site address: | Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 | any | | |
| 1.3 Detai | Is of the Supplier of th | he Safety Data Sheet: | | | |
| | evant identified uses of | the substance or mixture a For research use only, no | | | |
| - | nyms: | adenosine 5'-(tetrahydrog | | | NSC 20268; |
| | uct Code: uct Name: | 14498 Adenosine 5'-triphosphat | e (sodium salt) | | |
| | | dentification of the Substan | ce/ivilxture and of th | ne Company/Ur | паеттакіпд |
| | | ording to Regulation (EC) No. 190 | - | | |
| | | rdiag to Degulation (EC) No. 100 | 7/2006 as amanded by | (FC) No. 1070/000 | 0 |

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| | | Section 4. First Aid Measures |
|-----|-------------------------------------|---|
| 4.1 | Description of First Aid | |
| | Measures: | |
| | In Case of Inhalation: | Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention. |
| | In Case of Skin Contact: | Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse. |
| | In Case of Eye Contact: | Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel. |
| | In Case of Ingestion: | Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel. |
| | | Section 5. Fire Fighting Measures |
| 5.1 | Suitable Extinguishing | Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. |
| | Media: | Use water spray to cool fire-exposed containers. |
| | Unsuitable Extinguishing Media: | A solid water stream may be inefficient. |
| 5.2 | Flammable Properties an Hazards: | I d No data available. |
| | | No data available. |
| | Flash Pt: | No data. |
| | Explosive Limits: | LEL: No data. UEL: No data. |
| | Autoignition Pt: | No data. |
| 5.3 | Fire Fighting Instructions | s: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes. |
| | | Section 6. Accidental Release Measures |
| 6.1 | Protective Precautions, | Avoid raising and breathing dust, and provide adequate ventilation. |
| | Protective Equipment an | d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, |
| | Emergency Procedures: | and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). |
| 6.2 | Environmental Precautions: | Take steps to avoid release into the environment, if safe to do so. |
| 6.3 | Methods and Material Fo | r Contain spill and collect, as appropriate. |
| | Containment and Cleanir | hgTransfer to a chemical waste container for disposal in accordance with local regulations. |
| | Up: | |
| | | Section 7. Handling and Storage |
| 7.1 | Precautions To Be Taker | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| | in Handling: | Avoid prolonged or repeated exposure. |
| 7.2 | Precautions To Be Taker | Keep container tightly closed. |
| - | in Storing: | Store in accordance with information listed on the product insert. |
| | Sec | tion 8. Exposure Controls/Personal Protection |
| 8.1 | Exposure Parameters: | |

Multi-region format



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| 8.2 | Exposure Controls: | |
| 8.2.1 | Engineering Controls | Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne |
| | (Ventilation etc.): | levels below recommended exposure limits. |
| 8.2.2 | Personal protection equip | ment: |
| | Eye Protection: | Safety glasses |
| | Protective Gloves: | Compatible chemical-resistant gloves |
| | Other Protective Clothing: | Lab coat |
| | Respiratory Equipment | NIOSH approved respirator, as conditions warrant. |
| | (Specify Type): | |
| | Work/Hygienic/Maintenan | Do not take internally. |
| | | Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower |
| | , | Wash thoroughly after handling. |
| | | No data available. |
| | 0.5 | ation 0. Divisional and Observiced Draw article |
| <u> </u> | | ection 9. Physical and Chemical Properties |
| 9.1 | - | cal and Chemical Properties |
| | Physical States: | []Gas []Liquid [X]Solid |
| | Appearance and Odor: | A crystalline solid |
| | pH: | No data. |
| | Melting Point: | No data. |
| | Boiling Point: | No data. |
| | Flash Pt: | No data. |
| | Evaporation Rate: | No data. |
| | Flammability (solid, gas): | No data available. |
| | Explosive Limits: | LEL: No data. UEL: No data. |
| | Vapor Pressure (vs. Air or | mm No data. |
| | Hg): | |
| | Vapor Density (vs. Air = 1): | No data. |
| | Specific Gravity (Water = 1 |): No data. |
| | Solubility in Water: | No data. |
| | Solubility Notes: | ~10 mg/ml in PBS (pH 7.2); soluble (sparingly) in: EtOH; DMSO; DMF; |
| | Octanol/Water Partition | No data. |
| | Coefficient: | |
| | Autoignition Pt: | No data. |
| | Decomposition Temperatu | |
| | Viscosity: | No data. |
| 9.2 | Other Information | |
| | Percent Volatile: | No data. |
| | Molecular Formula & Weig | |
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SAFETY DATA SHEET Adenosine 5'-triphosphate (sodium salt)

Multi-region format

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|-------|---------------|-----------------------|---|-----------------|-----------------|----------------|-----------------|
| | | | Section 10. Stability and | Reactivit | .y | | |
| 10.1 | Reactivi | ty: | No data available. | | | | |
| 10.2 | Stability | : | Unstable [] Stable [X] | | | | |
| 10.3 | Stability | Note(s): | Stable if stored in accordance with information | ation listed on | the product in: | sert. | |
| | Polymer | ization: | Will occur [] Will not occur [X] | | | | |
| 10.4 | Conditio | ons To Avoid: | No data available. | | | | |
| 10.5 | Incompa | atibilitv - Materials | No data available. | | | | |
| | To Avoid | - | | | | | |
| 10.6 | Hazardo | us | carbon dioxide | | | | |
| | Decomp | osition or | carbon monoxide | | | | |
| | Byprodu | | nitrogen oxides | | | | |
| | | | Section 11. Toxicological | Informati | on | | |
| 11.1 | Informat | ion on | The toxicological effects of this product ha | | | lied. | |
| | | gical Effects: | Adenosine 5'-triphosphate (sodium salt) - | | | | ; Subcutaneous |
| | | 0 | LD50 (rat): >2 gm/kg; Oral LD50 (mouse): | - | - | | |
| 1 | Chronic | Toxicological | Adenosine 5'-triphosphate (sodium salt) - | Investigated as | s a drug. | | |
| | Effects: | U | Only select Registry of Toxic Effects of Ch | emical Substa | inces (RTECS | s) data is pre | sented here. |
| | | | See actual entry in RTECS for complete in | nformation. | | | |
| | | | Adenosine 5'-triphosphate (sodium salt) R | TECS Numbe | r: AU7417000 | 1 | |
| CAS # | ¥ | Hazardous Com | ponents (Chemical Name) | NTP | IARC | ACGIH | OSHA |
| 987 | '-65-5 | Adenosine 5'-triph | nosphate (sodium salt) | n.a. | n.a. | n.a. | n.a. |
| | | · | Section 12. Ecological I | nformatio | n | <u>.</u> | |
| 12.1 | Toxicity | : | Avoid release into the environment. | | | | |
| | | | Runoff from fire control or dilution water m | ay cause pollu | ition. | | |
| 12.2 | Persiste | nce and | No data available. | | | | |
| | Degrada | bility: | | | | | |
| 12.3 | Bioaccu | mulative | No data available. | | | | |
| | Potentia | l: | | | | | |
| 12.4 | Mobility | in Soil: | No data available. | | | | |
| 12.5 | Results | of PBT and vPvB | No data available. | | | | |
| | assessm | nent: | | | | | |
| 12.6 | Other ad | lverse effects: | No data available. | | | | |
| | | | Section 13. Disposal Cor | sideratio | ns | | |
| 13.1 | Waste D | isposal Method: | Dispose in accordance with local, state, a | nd federal regu | lations. | | |
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| Section 14. Transport Informati 14.1 LAND TRANSPORT (US DOT): DOT Proper Shipping Name: Not dangerous goods. DOT Hazard Class: UN/NA Number: 14.1 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Not dangerous goods. UN Number: Hazard Class: Hazard Class: UN Number: Hazard Class: Not dangerous goods. Additional Transport Transport in accordance with local, state, and federal Information: Section 15. Regulatory Informati EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists CAS # Hazardous Components (Chemical Name) S. 302 (EHS) 987-65-5 Adenosine 5'-triphosphate (sodium salt) No CAS # Hazardous Components (Chemical Name) CAA HAP,ODC: No Inventory: CA PRO 987-65-5 Adenosine 5'-triphosphate (sodium salt) CAA HAP,ODC: No Inventory: CA PRO Regulatory Information This SDS was prepared in accordance with 29 CFR 19 Statement: No.1272/2008. Section 16. Other Information Revision Date: 07/17/2018 Additional Information About No data available. This Product: Company Po | regulations. ON S. 304 RQ No tate Lists ; CWA NPDES P.65: No | · · · · · · · · · · · · · · · · · · · |
|---|--|--|
| DOT Proper Shipping Name: Not dangerous goods. DOT Hazard Class: UN/NA Number: 14.1 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Not dangerous goods. UN Number: Hazard Class: 14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Not dangerous goods. Additional Transport Transport in accordance with local, state, and federal Information: Section 15. Regulatory Informati EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists CAS # Hazardous Components (Chemical Name) S. 302 (EHS) 987-65-5 Adenosine 5'-triphosphate (sodium salt) No Section 16. Other US EPA or S 987-65-5 Adenosine 5'-triphosphate (sodium salt) No Section 16. Other Information Section 16. Other Information Regulatory Information About No data available. This Product: OT/17/2018 Additional Information About No data available. This Product: Company Policy or Disclaimer: <td>ON S. 304 RQ No tate Lists ; CWA NPDES P.65: No</td> <td>No : No; TSCA: Yes -</td> | ON S. 304 RQ No tate Lists ; CWA NPDES P.65: No | No : No; TSCA: Yes - |
| DOT Hazard Class: UN/NA Number: 14.1 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Not dangerous goods. UN Number: Hazard Class: 14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Not dangerous goods. Additional Transport Transport in accordance with local, state, and federal Information: Section 15. Regulatory Informati EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists CAS # Hazardous Components (Chemical Name) S. 302 (EHS) 987-65-5 Adenosine 5'-triphosphate (sodium salt) No CAS # Hazardous Components (Chemical Name) Other US EPA or S 987-65-5 Adenosine 5'-triphosphate (sodium salt) CAA HAP,ODC: No Inventory: CA PRO Regulatory Information This SDS was prepared in accordance with 29 CFR 19 Statement: No.1272/2008. Section 16. Other Information Revision Date: 07/17/2018 Additional Information About No data available. This Product: Company Policy or Disclaimer: DISCLAIMER: This information is believed to be accur | ON S. 304 RQ No tate Lists ; CWA NPDES P.65: No | No : No; TSCA: Yes - |
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| Inventory; CA PRO Regulatory Information Statement: No.1272/2008. Section 16. Other Information Revision Date: 07/17/2018 Additional Information About This Product: Company Policy or Disclaimer: DISCLAIMER: This information is believed to be accurately acc | P.65: No | · · · · · · · · · · · · · · · · · · · |
| Statement: No.1272/2008. Section 16. Other Information Revision Date: 07/17/2018 Additional Information About No data available. This Product: DISCLAIMER: This information is believed to be accur | 910.1200 and R | egulation (EC) |
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| express or implied, with respect to such information, a use. Users should make their own investigations to de their particular purposes. | nty of merchantand nd we assume r | ability or any other warranty no liability resulting from its |