

## MATERIAL SAFETY DATA SHEET

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Version 1.3

## Section 1 - Product and Company Information

Product Name 3-METHYLADENINE  
 Product Number M9281  
 Brand SIGMA  
 Company Sigma-Aldrich Canada, Ltd  
 Address 2149 Winston Park Drive  
 Oakville ON L6H 6J8 CA  
 Technical Phone: 9058299500  
 Fax: 9058299292  
 Emergency Phone: 800-424-9300

## Section 2 - Composition/Information on Ingredient

Substance Name 3-METHYLADENINE CAS # 5142-23-4 SARA 313 No  
 Formula C6H7N5  
 Synonyms 3-Methyladenine \* 3H-Purin-6-amine, 3-methyl-  
 (9CI)  
 RTECS Number: AU6520000

## Section 3 - Hazards Identification

HMS RATING  
 HEALTH: 0  
 FLAMMABILITY: 0  
 REACTIVITY: 0

NFPA RATING  
 HEALTH: 0  
 FLAMMABILITY: 0  
 REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

## Section 4 - First Aid Measures

ORAL EXPOSURE  
 If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE  
 If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE  
 In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

EYE EXPOSURE  
 In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## Section 5 - Fire Fighting Measures

FLASH POINT  
 N/A

AUTOIGNITION TEMP  
 N/A

FLAMMABILITY  
 N/A

EXTINGUISHING MEDIA  
 Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING  
 Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)  
 Wear protective equipment.

METHODS FOR CLEANING UP  
 Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## Section 7 - Handling and Storage

HANDLING  
 User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE  
 Suitable: Keep tightly closed.

## Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS  
 Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT  
 Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

GENERAL HYGIENE MEASURES  
 Wash thoroughly after handling.

## Section 9 - Physical/Chemical Properties

Appearance Color: White  
 Form: Powder

Property	Value	At Temperature or Pressure
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Molecular Weight	149.16 AMU
pH	N/A
BP/BP Range	N/A
MP/MP Range	300 °C
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A

N/A - not available

## Section 10 - Stability and Reactivity

STABILITY  
 Stable: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS  
 Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION  
 Hazardous Polymerization: Will not occur

## Section 11 - Toxicological Information

ROUTE OF EXPOSURE  
 Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption. May cause irritation.

SIGNS AND SYMPTOMS OF EXPOSURE  
 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

CONDITIONS AGGRAVATED BY EXPOSURE  
 The toxicological properties have not been thoroughly investigated.

TOXICITY DATA  
 Intraperitoneal  
 Mouse  
 280 MG/KG  
 LD50

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## Section 12 - Ecological Information

No data available.

## Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION  
 Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

## Section 14 - Transport Information

DOT  
 Proper Shipping Name: None  
 Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA  
 Non-Hazardous for Air Transport: Non-hazardous for air transport.

## Section 15 - Regulatory Information

UNITED STATES REGULATORY INFORMATION  
 SARA LISTED: No

CANADA REGULATORY INFORMATION  
 WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.  
 DSL: No  
 NDSL: No

## Section 16 - Other Information

DISCLAIMER  
 For R&D use only. Not for drug, household or other uses.

WARRANTY  
 The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2009 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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