

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 5'-Deoxyadenosine
 Product Number : D1771
 Brand : Sigma
 Company : Sigma-Aldrich Canada, Ltd
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 CANADA
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : $C_{10}H_{13}N_5O_3$
 Molecular Weight : 251.24 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
5'-Deoxyadenosine			
4754-39-6	-	-	-

3. HAZARDS IDENTIFICATION

WHMIS Classification
 Not WHMIS controlled. Not WHMIS controlled.
HMIS Classification
Health Hazard: 0
Flammability: 0
Physical hazards: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion May be harmful if swallowed.

4. FIRST AID MEASURES

If inhaled
 If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact
 Wash off with soap and plenty of water.

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In case of eye contact
 Flush eyes with water as a precaution.

If swallowed
 Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Flammable properties
 Flash point no data available
 Ignition temperature no data available

Suitable extinguishing media
 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters
 Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
 Avoid dust formation.

Environmental precautions
 Do not let product enter drains.

Methods for cleaning up
 Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling
 Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage
 Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

Light sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
 Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
 For prolonged or repeated contact use protective gloves.

Eye protection
 Safety glasses

Hygiene measures
 General industrial hygiene practice.

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9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form solid

Safety data

pH no data available
 Melting point 203 - 205 °C (397 - 401 °F)
 Boiling point no data available
 Flash point no data available
 Ignition temperature no data available
 Lower explosion limit no data available
 Upper explosion limit no data available
 Water solubility no data available

10. STABILITY AND REACTIVITY

Storage stability
 Stable under recommended storage conditions.

Materials to avoid
 Strong oxidizing agents

Hazardous decomposition products
 Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Genotoxicity in vitro - mouse - leukocyte
 DNA inhibition

Genotoxicity in vitro - mouse - leukocyte
 Other mutation test systems

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

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Additional Information
 RTECS: AU7358650

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)
 no data available

Ecotoxicity effects
 no data available

Further information on ecology
 no data available

13. DISPOSAL CONSIDERATIONS**Product**

Observe all federal, state, and local environmental regulations.

Contaminated packaging
 Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION**DSL Status**

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

5'-Deoxyadenosine CAS-No. 4754-39-6

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16. OTHER INFORMATION**Further information**

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