

BERRY & ASSOCIATES/ICON ISOTOPES

Safety Data Sheet 7-Deaza-2'-deoxyadenosine

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name	7-Deaza-2'-deoxyadenosine
Product number	PRA 10030
Brand	Berry&Associates
Substance name	7-Deaza-2'-deoxyadenosine
CAS no.	60129-59-1

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

Laboratory chemicals; Manufacture of substance

1.3 Details of the supplier of the safety data sheet

Name	Berry & Associates/ICON Isotopes
Address	2434 Bishop Circle East Dexter, MI 48130 USA
Telephone	734-426-3787
Fax	734-426-9077
email	alchem@berryassoc.com

1.4 Emergency telephone number

USA /Canada 800-424-9300
All else 703-527-3887

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

- Acute toxicity, oral (chapter 3.1), Cat. 4, H302
- Skin corrosion/irritation (chapter 3.2), Cat. 2, H315
- Eye damage/irritation (chapter 3.3), Cat. 2A, H319
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3, H335,H336

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms



Signal word

Warning

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Hazard statement(s)

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell,
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P321	Specific treatment (see Section 4 on this label).
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container as described in Section 13.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name	7-Deaza-2'-deoxyadenosine
CAS no.	60129-59-1
Formula	C ₁₁ H ₁₄ N ₄ O ₃
Molecular weight	250.26
Other names / synonyms	2'-Deoxytubercidin

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Following inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Following skin contact	Wash skin with soap and water. Consult a physician
Following eye contact	Immediately flush eyes with water for at least 15 minutes. Get medical attention if symptoms occur.

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Following ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Solid water stream may be inefficient.

5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NO_x), Hydrogen chloride

5.3 Advice for firefighters

Wear self-contained breathing apparatus if necessary and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid raising and breathing dust, provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus and appropriate personal protection (safety goggles, heavy rubber gloves and rubber boots).

6.2 Environmental precautions

Take measures to avoid release into the environment, do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a dry, well-ventilated area at 5 °C.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that

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workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal protection equipment

Eye and face protection

Safety glasses

Skin protection

Chemical-resistant gloves

Respiratory protection

NIOSH approved respirator, as conditions warrant.

Environmental exposure controls

Do not let material enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	White solid
Odour	No data available.
Odour threshold	No data available.
pH	No data available.
Melting point / freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density	No data available.
Solubilit(ies)	Soluble in DMSO
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidising properties	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions: 5 °C

10.3 Possibility of hazardous reactions

No data available.

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10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

Strong oxidizing reagents.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

IARC: No data available.

ACGIH: No data available.

NTP: No data available.

OSHA: No data available.

Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available.

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12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal of the product

Dispose in accordance with local, state and federal regulations. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Disposal of contaminated packaging

Dispose in accordance with local, state and federal regulations.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

No SARA hazards.

SARA 313 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

Massachusetts Right To Know Components

Not Listed

Pennsylvania Right To Know Components

Not listed

New Jersey Right To Know Components

Not listed

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SECTION 16: Other information

Full text of hazard statements referenced in Section 2

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

Further information/disclaimer

The Information in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Safety Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Users should make independent decisions regarding completeness of information based on all sources available. Berry & Associates, Inc. shall not be held liable for any damage resulting from handling or contact with the above product.