

SAFETY DATA SHEET

SDS DATE: June 23, 2020



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: N4-Hydroxycytidine
PRODUCT CODES: Cat# B3039-5, -25
RESTRICTIONS ON USE: For laboratory research purposes. Not for drug or household use.
MANUFACTURER: BioVision, Inc.
ADDRESS: 155 S. Milpitas Boulevard, Milpitas, CA 95035
EMERGENCY PHONE: 858-373-8066
CHEMTREC PHONE:
OTHER CALLS: 408-493-1800
FAX PHONE: 408-493-1801

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component	Description	Volume	Safety Information
N4-Hydroxycytidine	Solid	B3039-5 (5 mg) B3039-25 (25 mg)	No Hazards

SECTION 3: HAZARDS IDENTIFICATION

Product Name/Chemical Name	CAS Number	EC-No.	Molecular Weight	Chemical Formula	Concentration
N4-Hydroxycytidine	3258-02-4	--	259.22	C ₉ H ₁₃ N ₃ O ₆	100%

SECTION 4: FIRST AID MEASURES

General advice

Consult a doctor and show this safety data sheet.

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.

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.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

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

Suitable extinguishing media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

Special hazards arising from the substance or mixture

No data available.

Advice for firefighters

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

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

Take steps to avoid release into the environment, if safe to do so.

Methods and materials for containment and cleaning up

Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.

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Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Recommended storage temperature: Store at -20°C



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This product contains no substances with occupational exposure limit values.

Personal protective equipment

Eye protection

Safety glasses

Hand protection

Compatible chemical-resistant gloves

Skin and body protection

Lab coat

Respiratory protection

NIOSH approved respirator, as conditions warrant.

Work/Hygienic/Maintenance Practices

Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	N4-Hydroxycytidine
Appearance:	White solid
pH:	No data available
Water Solubility:	No data available
Specific Gravity (g/ml):	No data available
Boiling Point (°C):	No data available
Melting Point (°C):	No data available
Flash Point (°C):	No data available
Ignition Temperature (°C):	No data available
Density	No data available

SECTION 10: STABILITY AND REACTIVITY

Property	N4-Hydroxycytidine
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid:	No data available
Materials to avoid:	No data available
Hazardous decomposition products:	No data available

SECTION 11: TOXICOLOGICAL INFORMATION

N4-Hydroxycytidine:

Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied.

Chronic Toxicological Effects: No data available

Acute toxicity: No data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: Classification criteria are not met based on available data

Carcinogenicity:

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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure (GHS): no data available

Specific target organ toxicity – repeated exposure (GHS): no data available

Aspiration hazard: no data available

Potential Health Effects

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Signs and Symptoms of Exposure: No known symptoms.

Additional information: This information is based on our current knowledge. However, the chemical, physical, and toxicological properties

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have not been completely investigated. RTECS No.: YU8080000



SECTION 12: ECOLOGICAL INFORMATION

N4-Hydroxycytidine:

Persistence and degradability: no data available

Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

N4-Hydroxycytidine:

DOT (US) Not dangerous goods.

IMDG Not dangerous goods.

IATA Not dangerous goods.

SECTION 15: REGULATORY INFORMATION

N4-Hydroxycytidine:

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

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components: No components are subject to the New Jersey Right to Know Act

California Prop. 65 Components: Not applicable

EU regulations

Component	Risk Phrases	Safety Phrases
N4-Hydroxycytidine	--	--

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION:

DISCLAIMER:

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. BioVision, 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.