

1 Identification of substance:

- **Product name:** 1'-Hydroxymidazolam
- **Catalog number:** 451038
- **Manufacturer/Supplier:**
BD Discovery Labware
6 Henshaw Street
Woburn, MA 01801
Tel: 800.334.5229
- **Information department:** Technical Services
- **Emergency information:**
In case of a chemical emergency, spill, fire, exposure, or accident contact BD Discovery Labware at 800.334.5229, or ChemTrec at 800.424.9300.

2 Composition/Data on components:

- **Chemical characterization:**
- **CAS No. Description:**
59468-90-5 1'-Hydroxymidazolam

3 Hazards identification

- **Hazard description:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**
R 36/37/38 Irritating to eyes, respiratory system and skin.
- **NFPA ratings (scale 0-4)**

Health = 1
Fire = 0
Reactivity = 0**4 First aid measures**

- **After inhalation**
Supply fresh air and seek medical advice.
In case of unconsciousness place patient on side position for transportation.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** If swallowed, rinse mouth with water (only if the person is conscious)
- **Information for doctor** Show the product label or this MSDS.

Product name: 1'-Hydroxymidazolam

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Use respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Avoid formation of dust.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:**
No special measures required.
Dispose contaminated material as waste according to item 13.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** -20° C
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal Protective Equipment**
- **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Chemical resistant gloves (i.e. nitrile, or equivalent).

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing (lab coat).

Product name: 1'-Hydroxymidazolam

(Contd. of page 2)

9 Physical and chemical properties:**· General Information**

Form:	Solid.
Color:	Light yellow
Odor:	Unknown

· Change in condition

Melting point/Melting range:	254 - 256 C
Boiling point/Boiling range:	Not determined

· Flash point: Not applicable**· Danger of explosion:** Product does not present an explosion hazard.**· Vapor pressure:** Not applicable**· Density:** Not determined**· Solubility in / Miscibility with****Water:** Insoluble**· pH-value:** Not applicable**10 Stability and reactivity****· Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**· Materials to be avoided:** Incompatible material: strong oxidizers.**· Dangerous reactions** Reacts with oxidizing agents**· Dangerous products of decomposition:**

Chlorine (Cl)

Carbon monoxide (CO) and carbon dioxide (CO₂)

Fluorine (F)

11 Toxicological information**· Acute toxicity:****· Primary irritant effect:****· on the skin:** Irritant to skin and mucous membranes.**· on the eye:** Irritating effect.**· Sensitization:** No sensitizing effects known.**· Additional toxicological information:***To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.**The product is not subject to OSHA classification according to internally approved calculation methods for preparations.**When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.**The substance is not subject to classification.*

Product name: 1'-Hydroxymidazolam

(Contd. of page 3)

12 Ecological information:

- **Ecotoxicological effects:**
- **Other information:**
The ecological effects have not been thoroughly investigated, but currently none have been identified.

13 Disposal considerations

- **Product:**
- **Recommendation** *Dispose of material in accordance with federal (40 CFR 261), state and local requirements.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to state and federal regulations.*
- **Recommended cleansing agent:** *Water, if necessary with cleansing agents.*

14 Transport information

- **DOT regulations:**
- **Label** *None*

15 Regulations

- **SARA Section 355 (extremely hazardous substances)** *Substance is not listed.*
- **SARA Section 313 (specific toxic chemical listings)** *Substance is not listed.*
- **TSCA (Toxic Substances Control Act)** *Substance is not listed.*
- **California Proposition 65 - Chemicals known to cause cancer** *Substance is not listed.*
- **Chemicals known to cause reproductive toxicity for females:** *Substance is not listed.*
- **Chemicals known to cause reproductive toxicity for males:** *Substance is not listed.*
- **Chemicals known to cause developmental toxicity:** *Substance is not listed.*
- **Carcinogenicity categories**
- **IARC (International Agency for Research on Cancer)** *Substance is not listed.*
- **NTP (National Toxicology Program)** *Substance is not listed.*
- **TLV (Threshold Limit Value established by ACGIH)** *Substance is not listed.*
- **Product related hazard information:**
The substance is not subject to classification according to the sources of literature known to us.
Observe the general safety regulations when handling chemicals
The product is not subject to identification regulations pertaining to regulations on hazardous materials.
- **Hazard symbols:**
Xi Irritant
- **Risk phrases:**
36/37/38 Irritating to eyes, respiratory system and skin.
- **Safety phrases:**
3/14 Keep in a cool place, away from oxidising agents, acidic substances and heavy metal compounds
12 Do not keep the container sealed.
21 When using do not smoke.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of soap and water

(Contd. on page 5)

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Product name: 1'-Hydroxymidazolam

46 If swallowed, seek medical advice immediately and show this container or label.

(Contd. of page 4)

16 Other information:

To the best of our knowledge, the information contained herein is accurate. However, neither Becton, Dickinson and Company or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Use of Product:

- synthetic chemical for research only
- analytical standard
- must be handled by suitably qualified personnel

- **Department issuing MSDS:** Safety and Environment Department
- **Contact:** Technical Service Representative

USA