

Version: v1
Revision Date: 2023-11-12
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SAFETY DATA SHEET

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

1.1 Product identifiers

Product name : N-Biotinyl-N'-(3-maleimidopropionyl)-3,6-dioxaoctane-1,8-diamine
Product Number : B122231
Brand : aladdin
CAS-No. : 305372-39-8

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

Identified uses : It is only for scientific research purposes, not for medicine, family standby medicine or other purposes.

1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co.,Ltd
Address : 36 Xinjinqiao Road, Shanghai
Telephone : 400-620-6333
Fax : no data available

1.4 Emergency telephone number

Emergency Phone : 0532-83889090

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.2 GHS Label elements, including precautionary statements

Pictogram
Signal word
Hazard statement(s)



Warning

H315
H319

Causes skin irritation
Causes serious eye irritation

Precautionary statement(s)

P264
P280
P302+P352

Wash hands [and ...] thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: wash with plenty of water.

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P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P362+P364	Take off contaminated clothing and wash it before reuse.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: (+)-Biotin-PEG2-maleimide;N-[2-[2-[(3-Maleimidopropionyl)amino]ethoxy]ethoxy]ethyl]biotinamide	
Formula	: C23H35N5O7S	
Molecular weight	: 525.62	
CAS No.	: 305372-39-8	
EC-NO.	: no data available	
Component	Classification	Concentration
N-Biotinyl-N'-(3-maleimidopropionyl)-3,6-dioxaoctane-1,8-diamine	no data available	95%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice no data available
If inhaled Call a poison center or doctor if you feel unwell.Move victim to fresh air.Give artificial respiration if victim is not breathing.Administer oxygen if breathing is difficult.Keep victim warm and quiet.Treat symptomatically and supportively.Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves
In case of skin contact If skin irritation occurs get medical advice/attention.Remove and wash contaminated clothing before reuse.In case of contact with substance, immediately flush skin with running water for at least 20 minutes.Treat symptomatically and supportively.Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
In case of eye contact IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open.Contact with material may irritate or burn eyes.Call emergency medical service.Move victim to fresh air.Check for and remove any contact lenses.Keep victim warm and quiet.Treat symptomatically and supportively.Effects of exposure to substance may be delayed.Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves
If swallowed Do not induce vomiting with out medical advice.If swallowed, seek medical advice immediately and show the container or label.Do not use mouth-to-mouth method if victim ingested the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.Loosen tight clothing such as a collar, tie, belt or waistband.If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat.Rinse mouth.Keep victim warm and quiet.Treat symptomatically and supportively.Ensure that medical personnel are

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aware of the material(s) involved and take precautions to protect themselves.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Dry chemical, CO₂, sand, earth, water spray or regular foam. Consult with local fire authorities before attempting large scale fire fighting operations.

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

These products include: Carbon oxides Nitrogen oxides Silicates. Closed containers may explode from heat of a fire.

5.3 Advice for firefighters

Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when heated. Move containers from fire area if you can do it without risk.

5.4 Further information

Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

6.2 Environmental precautions

Wear eye protection (splash goggles) and face protection (full length face shield). Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile).

6.3 Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

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6.4 Reference to other sections

Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container in a cool well-ventilated place. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods. Store under inert gas (e.g. Argon). Store in a freezer.

7.3 Specific end use(s)

no data available

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

Personal protective equipment

Eye/face protection

Safety glasses.

Skin protection

Nitrile gloves

Body Protection

Lab coat.

Respiratory protection

Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Control of environmental exposure

no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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a) Appearance	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties N	no data available
t) Oxidizing properties N	no data available

9.2 Other safety information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Air sensitive.Heat sensitive

10.2 Chemical stability

No hazardous reactivity has been reported.

10.3 Possibility of hazardous reactions

Air sensitive.Exposure to air.Heat sensitive

10.4 Conditions to avoid

Oxidizing agents

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

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11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

no data available

SECTION 12: Ecological information

12.1 Toxicity

no data available

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

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12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

Recycle to process if possible.It is the generators responsibility to comply with Federal, State and Local rules and regulations.You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law.US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261.The product should not be allowed to enter the environment, drains, water ways, or the soil.

Contaminated packaging

Dispose of as unused product.Do not re-use empty containers.

SECTION 14: Transport information

DOT (US)

UN number: no data available	Packing group: no data available	Class: no data available
Proper shipping name: no data available	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: no data
Environmental Hazards: no data available		

IMDG

UN number: no data available	Packing group: no data available	EMS-No: no data available
Proper shipping name: no data available		

IATA

UN number: no data available	Packing group: no data available	Class: no data available
Proper shipping name: no data available		

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: Other information

Further information

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