

SAFETY DATA SHEET

Version: v1
Revision Date: 2023-07-24
Print Date: 2023-07-27

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

1.1 Product identifiers

Product name : Nitrilotriacetic acid
Product Number : N100384
Brand : aladdin
CAS-No. : 139-13-9

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

Identified uses : 仅供科研用途，不作为药物、家庭备用药或其它用途。

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**

Danger

Hazard statement(s)

H302

Harmful if swallowed

H314

Causes severe skin burns and eye damage

H351

Suspected of causing cancer

Precautionary statement(s)

P281

Use personal protective equipment as required.

P310

Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**SECTION 3: Composition/information on ingredients****3.1 Substances**

Synonyms	: Triglycollamic Acid N,N-Bis(carboxymethyl)glycine NTA
Tris(carboxymethyl)amine Triglycine	
Formula	: C ₆ H ₉ NO ₆
Molecular weight	: 191.14
CAS No.	: 139-13-9
EC-NO.	: 205-355-7

Component	Classification	Concentration
Nitrilotriacetic acid		
	no data available	ACS, ≥99.0%

SECTION 4: First aid measures**4.1 Description of first aid measures****General advice**

no data available

If inhaled

no data available

In case of skin contact

no data available

In case of eye contact

no data available

If swallowed

no data available

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

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

no data available

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

no data available

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

收集和处置时不要产生粉尘。扫掉和铲掉。放入合适的封闭的容器中待处理。

6.2 Environmental precautions

no data available

6.3 Methods and materials for containment and cleaning up

避免接触皮肤和眼睛。避免形成粉尘和气溶胶。在有粉尘生成的地方,提供合适的排风设备。

6.4 Reference to other sections

丢弃处理请参阅第13节。

SECTION 7: Handling and storage

7.1 Precautions for safe handling

无数据资料

7.2 Conditions for safe storage, including any incompatibilities

贮存在阴凉处。使容器保持密闭，储存在干燥通风处。

7.3 Specific end use(s)

按照良好的工业卫生和安全规范进行操作。休息前及工作结束时洗手。

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

根据工业卫生和安全使用规则来操作。休息以前和工作结束时洗手。

Personal protective equipment

Eye/face protection

no data available

Skin protection

使用前必须检查手套。请使用正确的方法取下手套（请勿触摸手套的外表面），并避免任何皮肤部位接触产品。使用后，请按照相关法律法规和有效的实验室规程和程序小心操作被污染的手套。请清洁并吹干为您的手选择的防护手套，必须符合法规（EU）2016/425中给出的规格以及由此衍生的EN 374标准。

Body Protection

no data available

Respiratory protection

如危险性评测显示需要使用空气净化的防毒面具，请使用全面罩式多功能防毒面具（US）或ABEK型（EN 14387）防毒面具筒作为工程控制的候补。如果防毒面具是保护的唯一方式，则使用全面罩式送风防毒面具。呼吸器使用经过测试并通过政府标准如NIOSH（US）或CEN（EU）的呼吸器和零件。

Control of environmental exposure

no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	1.7 - 2.7 at 10 g/l at 23 °C (73 °F)
e) Melting point/freezing point	Melting point/range: 245 °C (473 °F) - dec.
f) Initial boiling point and boiling range	no data available

g) Flash point	100 °C (212 °F) - closed cup
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

no data available

10.2 Chemical stability

在建议的贮存条件下是稳定的

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

吸入可能有害。可能引起呼吸道刺激。

10.5 Incompatible materials

吞咽可能有害。

10.6 Hazardous decomposition products

LD50 经口- 大鼠- > 6,400 mg/kg皮肤腐蚀

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

无数据资料

Serious eye damage/eye irritation

通过皮肤吸收可能有害。可能引起皮肤刺激。

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

该产品是或包含被IARC,ACGIH,EPA,和NTP列为致癌物的组分在动物研究中的有限致癌性证据2B-第2B组：可能对人类致癌(Nitrilotriaceticacid)

Carcinogenicity

无数据资料

Reproductive toxicity

重复染毒毒性-大鼠-雄性和雌性化学物质毒性作用登记:AJ0175000

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

造成严重眼刺激。

Aspiration hazard

对鱼类的LC50 - Leuciscus idus melanotus - 475 mg/l- 48 h 对水蚤和其他水生无脊椎动物的EC50 - Daphnia magna (水蚤) - > 100 mg/l- 48 h

Additional Information

no data available

SECTION 12: Ecological information

12.1 Toxicity

no data available

12.2 Persistence and degradability

无数据资料

12.3 Bioaccumulative potential

无数据资料

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

无数据资料

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

no data available

Contaminated packaging

作为未用过的产品弃置。

SECTION 14: Transport information

DOT (US)

UN number: no data available

Packing group: -

Class: -

Proper shipping name: 非危险货物

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: 否

Environmental Hazards: 否

IMDG

UN number: no data available

Packing group: -

EMS-No: 否

Proper shipping name: 非危险货物

IATA

UN number: no data available

Packing group: -

Class: -

Proper shipping name: 非危险货物

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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