

Version: v1
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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 : Tris(hydroxymethyl)aminomethane
Product Number : T110599
Brand : aladdin
CAS-No. : 77-86-1

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 Warning

Hazard statement(s)

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

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

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SECTION 3: Composition/information on ingredients

3.1 Substances		
Synonyms	: 2-Amino-2-(hydroxymethyl)-1,3-propanediol;Trimethylolaminomethane;Tris base	
Formula	: C4H11NO3	
Molecular weight	: 121.14	
CAS No.	: 77-86-1	
EC-NO.	: 201-064-4	
Component	Classification	Concentration
Tris(hydroxymethyl)aminomethane		
no data available		Primary Standard and Buffer, ≥99.9% (titration)

SECTION 4: First aid measures

4.1 Description of first aid measures	
General advice 请教医生。向到现场的医生出示此安全技术说明书。	
If inhaled 将受害者移到新鲜空气处，保持呼吸通畅，休息。若感不适请求医就诊。	
In case of skin contact 用肥皂和大量的水冲洗。请教医生。	
In case of eye contact 用大量水彻底冲洗至少15分钟并请教医生。	
If swallowed 用水雾,抗乙醇泡沫,干粉或二氧化碳灭火。	
4.2 Most important symptoms and effects, both acute and delayed	
主要症状和影响，急性和迟发效应据我们所知，此化学，物理和毒性性质尚未经完整的研究。	
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 用水雾,抗乙醇泡沫,干粉或二氧化碳灭火。	
Unsuitable extinguishing media no data available	
5.2 Special hazards arising from the substance or mixture	

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使用个人防护用品。避免粉尘生成。避免吸入蒸气、烟雾或气体。保证充分的通风。人员疏散到安全区域。避免吸入粉尘。

5.3 Advice for firefighters

无数据资料

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

不要让产品进入下水道。

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。吸湿的.充气保存

7.3 Specific end use(s)

根据良好的工业卫生和安全规范进行操作。休息前和工作结束时洗手。

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

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Eyeface 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	no data available
e) Melting point/freezing point	171-172°C
f) Initial boiling point and boiling range	219-220°C
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**

强氧化剂

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10.2 Chemical stability

在建议的贮存条件下是稳定的

10.3 Possibility of hazardous reactions

吸湿的

10.4 Conditions to avoid

吸入可能有害。引起呼吸道刺激。

10.5 Incompatible materials

如服入是有害的。

10.6 Hazardous decomposition products

半数致死剂量(LD50) 经口- 大鼠- 5,900 mg/kg

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。造成皮肤刺激。

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

此产品中沒有大于或等于0.1%含量的组分被IARC鉴别为可能的或肯定的人类致癌物。

Carcinogenicity

无数据资料

Reproductive toxicity

化学物质毒性作用登记:TY2900000

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

造成严重眼刺激。

Aspiration hazard

无数据资料

Additional Information

no data available

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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 将剩余的和不可回收的溶液交给有许可证的公司处理。与易燃溶剂相溶或者相混合，在备有燃烧后处理和洗刷作用的化学焚化炉中燃烧
	Contaminated packaging 作为未用过的产品弃置。

SECTION 14: Transport information

DOT (US) UN number: no data available Proper shipping name: 非危险货物 Environmental Hazards: 否	Packing group: - Reportable Quantity(RQ): no data available Poison Inhalation Hazard: 否	Class: -
IMDG UN number: no data available Proper shipping name: 非危险货物	Packing group: -	EMS-No: 否
IATA UN number: no data available Proper shipping name: 非危险货物	Packing group: -	Class: -

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SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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