

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 : 1,4-Dioxane
Product Number : D141135
Brand : aladdin
CAS-No. : 123-91-1

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 Danger
Hazard statement(s)
H225 Highly Flammable liquid and vapor
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H351 Suspected of causing cancer
H413 May cause long lasting harmful effects to aquatic life
H303+H333 May be harmful if swallowed or if inhaled
Precautionary statement(s)
P210 Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

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P281	Use personal protective equipment as required.
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

3.2 Mixtures

Synonyms	: 1,4-Dioxane;1,4-Diethylene dioxide
Formula	: C4H8O2
Molecular weight	: 88.11

Component Classification Concentration

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

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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

no data available

6.2 Environmental precautions

no data available

6.3 Methods and materials for containment and cleaning up

no data available

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

no data available

7.2 Conditions for safe storage, including any incompatibilities

no data available

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

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。

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Personal protective equipment

Eye/face protection

面罩與安全眼鏡請使用經官方標準如NIOSH (美國) 或 EN 166(歐盟) 檢測與批准的设备防護眼部。

Skin protection

使用前必須檢查手套。請使用正確的方法取下手套（請勿觸摸手套的外表面），並避免任何皮膚部位接觸產品。使用后，請按照相關法律法規和有效的實驗室規程和程序小心操作被污染的手套。請清潔並吹干為您的手選擇的防護手套，必須符合法規（EU）2016/425中給出的規格以及由此衍生的en 374標準。

Body Protection

防滲透的衣服, 阻燃防靜電防護服, 防護设备的类型必須根據特定工作場所中的危險物的濃度和含量來選擇。

Respiratory protection

如危險性評測顯示需要使用空氣淨化的防毒面具，請使用全面罩式多功能防毒面具（US）或ABEK型（EN 14387）防毒面具筒作為工程控制的候補。如果防毒面具是保護的唯一方式，則使用全面罩式送風防毒面具。呼吸器使用經過測試並通過政府標準如NIOSH（US）或CEN（EU）的呼吸器和零件。

Control of environmental exposure

如果安全需要，防止進一步泄漏或溢出。不要讓產品進入下水道。

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	form: 液体 color: 无色
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	6.0 - 8 at 500 g/l at 20 °C (68 °F)
e) Melting point/freezing point	10 - 12 °C (50 - 54 °F) - lit.
f) Initial boiling point and boiling range	100 - 102 °C (212 - 216 °F) - lit.
g) Flash point	12 °C (54 °F) - closed cup
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	2 %(V) 22 %(V)
k) Vapour pressure	36 hPa (27 mmHg) at 20 °C (68 °F) 53 hPa (40 mmHg) at 25.20 °C (77.36 °F)
l) Vapour density	3.04 - (Air = 1.0)
m) Relative density	1.034 g/cm ³ at 25 °C (77 °F)
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	-0.27
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

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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

no data available

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

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

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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
- 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: 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

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Proper shipping name: no data available

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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