

Version: v1
Revision Date: 2023-07-22
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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 : Decahydronaphthalene
Product Number : D110689
Brand : aladdin
CAS-No. : 91-17-8

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)

H226 Flammable liquid and vapor
H303 May be harmful if swallowed
H304 May be fatal if swallowed and enters airways
H314 Causes severe skin burns and eye damage
H331 Toxic if inhaled

Precautionary statement(s)

P210 Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.

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P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: Dekalin Bicyclo(4,4,0)decane Naphthane Perhydronaphthalene
Formula	: C10H18
Molecular weight	: 138.25
CAS No.	: 91-17-8
EC-NO.	: no data available

Component	Classification	Concentration
Decahydronaphthalene	no data available	99%

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

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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

用防电真空清洁器或湿的刷子将溢出物收集起来并放置到容器中去,根据当地规定处理(见第13部分)。

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。防止吸入蒸汽和烟雾。切勿靠近火源。– 严禁烟火。采取措施防止静电积聚。

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。容器保持紧闭，储存在干燥通风处。打开了的容器必须仔细重新封口并保持竖放位置以防止泄漏。充气操作和储存对光和空气敏感热敏感。

7.3 Specific end use(s)

避免与皮肤、眼睛和衣服接触。休息以前和操作过此产品之后立即洗手。

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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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**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	form: 透明, 液体 color: 无色
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	-125 °C - lit.
f) Initial boiling point and boiling range	189 - 191 °C - lit.
g) Flash point	57.2 °C - 闭杯
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	爆炸上限: 4.9 %(V) 爆炸下限: 0.7 %(V)
k) Vapour pressure	988 hPa 在 188 °C 56 hPa 在 92 °C
l) Vapour density	4.77 - (空气= 1.0)
m) Relative density	0.896 g/cm3 在 25 °C
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	4.79
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

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SECTION 10: Stability and reactivity

10.1 Reactivity

氧化剂

10.2 Chemical stability

在建议的贮存条件下是稳定的

10.3 Possibility of hazardous reactions

热和光加剧过氧化物的生成。热,火焰和火花

10.4 Conditions to avoid

吸入会中毒。该物质对组织、粘膜和上呼吸道破坏力强

10.5 Incompatible materials

如服入是有害的。引致灼伤。

10.6 Hazardous decomposition products

半数致死剂量(LD50) 经口- 大鼠- 4,170 mg/kg 半数致死浓度 (LC50) 吸入- 大鼠- 4 h - 710 ppm 半数致死剂量(LD50) 经皮- 兔子- 5,286 mg/kg

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

眼睛-兔子-无眼睛刺激

Serious eye damage/eye irritation

如果通过皮肤吸收可能是有害的。引起皮肤烧伤。

Respiratory or skin sensitisation

细胞突变性-体外试验 - 在艾姆斯氏 (Ames) 实验中无致突变性。组氨酸逆转 (Ames)

Germ cell mutagenicity

-大鼠-吸入肿瘤发生：符合RTECS标准的成瘤性。内分泌的：肿瘤-老鼠-吸入肿瘤发生：符合RTECS标准的致癌性。内分泌的：肿瘤此产品中没有大于或等于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

生殖细胞突变性-体外试验-在Ames的诱发活性试剂中无诱变现象。组氨酸逆转 (Ames)

Reproductive toxicity

化学物质毒性作用登记:QJ3150000

Specific target organ toxicity - single exposure

no data available

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Specific target organ toxicity - repeated exposure

引起眼睛烧伤。

Aspiration hazard

对鱼类的半数致死浓度（LC50）- 金色雅罗鱼- 4.3 mg/l- 48.0 h对水蚤和其他水生无脊椎动物的半致死有效浓度（EC50）- Daphnia pulex (水蚤) - 2.49 mg/l- 48 h

Additional Information

no data available

SECTION 12: Ecological information

12.1 Toxicity

no data available

12.2 Persistence and degradability

表明生物聚集

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

对水生生物有毒。无数据资料

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

在装备有加力燃烧室和洗刷设备的化学焚烧炉内燃烧处理,特别在点燃的时候要注意,因为此物质是高度易燃性物质 将剩余的
和不可回收的溶液交给有许可证的公司处理。联系专业的拥有废弃物处理执照的机构来处理此物质。

Contaminated packaging

作为未用过的产品弃置。

SECTION 14: Transport information

DOT (US)

UN number: 1147

Proper shipping name: DECAHYDRO-
NAPHTHALENE

Packing group: III

Class: 3

Reportable Quantity(RQ): no data available Poison Inhalation Hazard: 是

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Environmental Hazards: 是

IMDG

UN number: 1147	Packing group: III	EMS-No: 否
Proper shipping name: DECAHYDRO-NAPHTHALENE		

IATA

UN number: 1147	Packing group: III	Class: 3
Proper shipping name: DECAHYDRO-NAPHTHALENE		

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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