

SAFETY DATA SHEET

Version: v1

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15

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

1.1 Product identifiers

Product name : 1-Undecanol
Product Number : U102902
Brand : aladdin
CAS-No. : 112-42-5

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

Precautionary statement(s)

P264	Wash hands [and ...] thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P391	Collect spillage.
P302+P352	IF ON SKIN: wash with plenty of water.
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.
P501	Dispose of contents/container to an approved waste disposal plant.

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

Synonyms	: Undecyl alcohol;1-Hydroxyundecane;n-Undecyl alcohol;Alcohol C11
Formula	: C11H24O
Molecular weight	: 172.31
CAS No.	: 112-42-5
EC-NO.	: 203-970-5

Component	Classification	Concentration
1-Undecanol		
	no data available	98%

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

用惰性吸附材料吸收并当作危险废物处理。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。避免吸入蒸气或雾滴。一般性的防火保护措施。

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。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。
建议的贮存温度2-8°C

7.3 Specific end use(s)

Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

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

Eyel/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	form: 清晰、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	11 °C (52 °F) - lit.
f) Initial boiling point and boiling range	146 °C (295 °F) at 40 hPa (30 mmHg) - lit.
g) Flash point	113 °C (235 °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	0.83 g/cm ³ at 25 °C (77 °F)
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。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- 3,000 mg/kg LD50 经皮- 家兔- 3,960 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。引起皮肤刺激。

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:YQ3155000

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

对鱼类的LC50 - Pimephales promelas (肥头鲮鱼) - 1.04 mg/l- 96.0 h LC50 - 其他鱼- 4.2 - 5.1 mg/l- 96.0 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。

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: 3082	Packing group: III	Class: 9
Proper shipping name:	Reportable Quantity(RQ): no data	Poison Inhalation Hazard: 是
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Undecan-1-ol)	available	
Environmental Hazards: 是		

IMDG

UN number: 3082	Packing group: III	EMS-No: 是
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Undecan-1-ol)		

IATA

UN number: 3082	Packing group: III	Class: 9
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Undecan-1-ol)		

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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