

SAFETY DATA SHEET

Version: v1
Revision Date: 2023-07-15
Print Date: 2023-07-18

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

1.1 Product identifiers

Product name : 3-Methyl-2-pentanone
Product Number : M158800
Brand : aladdin
CAS-No. : 565-61-7

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

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.
P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
P370+P378	In case of fire: Use ... to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
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	: sec-Butyl Methyl Ketone;Methyl sec-butyl ketone
Formula	: C6H12O
Molecular weight	: 100.16
CAS No.	: 565-61-7
EC-NO.	: 209-282-1

Component	Classification	Concentration
3-Methyl-2-pentanone		
	no data available	>98.0%(GC)

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

如果吸入,请将患者移到新鲜空气处。如呼吸停止,进行人工呼吸。请教医生。

In case of skin contact

用肥皂和大量的水冲洗。请教医生。

In case of eye contact

谨慎起见用水冲洗眼睛。

If swallowed

禁止催吐。切勿给失去知觉者喂食任何东西。用水漱口。请教医生。

4.2 Most important symptoms and effects, both acute and delayed

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

no data available

Unsuitable extinguishing media

干粉 干砂不要用水喷射。

5.2 Special hazards arising from the substance or mixture

碳氧化物

5.3 Advice for firefighters

如必要的话,戴自给式呼吸器去救火。

5.4 Further information

水喷雾可用来冷却未打开的容器。

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

避免吸入蒸气、气雾或气体。保证充分的通风。消除所有火源。将人员疏散到安全区域。注意蒸气积累达到可爆炸的浓度，蒸气可蓄积在地面低洼处。有关个人防护,请看第8部分。

6.2 Environmental precautions

如能确保安全，可采取措施防止进一步的泄漏或溢出。不要让产品进入下水道。

6.3 Methods and materials for containment and cleaning up

围堵溢出物，用非可燃性材料(如砂子、泥土、硅藻土、蛭石)吸收溢出物，将其收集到容器中，根据当地的或国家的规定处理(见第13部分)。

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

避免吸入蒸气或雾滴。切勿靠近火源。 – 严禁烟火。采取措施防止静电积聚。有关预防措施，请参见章节2.2。

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

7.2 Conditions for safe storage, including any incompatibilities

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。

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。

Personal protective equipment

Eyel/face protection

面罩與安全眼鏡请使用经官方标准如NIOSH (美国) 或 EN 166(欧盟) 检测与批准的设备防护眼部。

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

防渗透的衣服, 阻燃防静电防护服,防护设备的类型必须根据特定工作场所中的危险物的浓度和含量来选择。

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	no data available
f) Initial boiling point and boiling range	no data available
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

在建议的贮存条件下是稳定的。

10.2 Chemical stability

在建议的贮存条件下是稳定的

10.3 Possibility of hazardous reactions

热、火焰和火花。

10.4 Conditions to avoid

氧化剂, 还原剂, 强碱

10.5 Incompatible materials

在着火情况下，会分解生成有害物质。 - 碳氧化物其他分解产物 - 无数据资料當起火時:見第 5 節 滅火措施.

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

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

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

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

將剩余的和不可回收的溶液交给有许可证的公司处理。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

Contaminated packaging
作为未用过的产品弃置。

SECTION 14: Transport information

DOT (US)

UN number: 1224	Packing group: II	Class: 3
Proper shipping name: KETONES, LIQUID, N.O.S. (3-甲基-2-戊酮)	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: no data available
Environmental Hazards: 否		

IMDG

UN number: 1224	Packing group: II	EMS-No: no data available
Proper shipping name: KETONES, LIQUID, N.O.S. (3-甲基-2-戊酮)		

IATA

UN number: 1224	Packing group: II	Class: 3
Proper shipping name: KETONES, LIQUID, N.O.S. (3-甲基-2-戊酮)		

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

Copyright Aladdin Co. Ltd. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aladdin Co. Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Version: v1	Revision Date: 2023-07-15	Print Date: 2023-07-18
-------------	---------------------------	------------------------