

SAFETY DATA SHEET

Version: v1

Revision Date: 2023-07-

24

Print Date: 2023-07-27

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

1.1 Product identifiers

Product name : 2,2,6-Trimethyl-4H-1,3-dioxin-4-one
Product Number : T111122
Brand : aladdin
CAS-No. : 5394-63-8

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)

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]. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. |
| 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 | : Diketene acetone adduct; 2,2,6-Trimethyl-1,3-dioxin-4-one; 2,2,4-Trimethyl-6-keto-1,3-dioxin; |
| Formula | : C ₇ H ₁₀ O ₃ |
| Molecular weight | : 142.15 |
| CAS No. | : 5394-63-8 |
| EC-NO. | : no data available |

| Component | Classification | Concentration |
|-------------------------------------|-------------------|---------------|
| 2,2,6-Trimethyl-4H-1,3-dioxin-4-one | no data available | 95% |

SECTION 4: First aid measures**4.1 Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a

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

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

no data available

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

使用个人防护设备。防止吸入蒸汽、气雾或气体。保证充分的通风。移去所有火源。将人员撤离到安全区域。防范蒸汽积累达到可爆炸的浓度,蒸汽能在低洼处积聚。

6.2 Environmental precautions

不要让产品进入下水道。

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in

container for disposal according to local regulations (see section 13).
6.4 Reference to other sections

For disposal see sectio

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。

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。

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

no data available

Personal protective equipment

Eye/face protection

no data available

Skin protection

no data available

Body Protection

no data available

Respiratory protection

no data available

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 | 12-13 °C |
| f) Initial boiling point and boiling range | 65-67 °C |
| g) Flash point | 14 °C |
| 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

no data available

10.2 Chemical stability

no data available

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

Other decomposition products - no data available
In the event of fire: see section 5

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10.6 Hazardous decomposition products

LD50 Oral - rat - 5,000 mg/kg
Inhalation: no data available
LD50 Dermal - rabbit - > 5,000 mg/kg
no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Skin - rabbit

Result: No skin irritation - 24 h

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as
probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a
known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a
carcinogen or potential carcinogen by OSHA.

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
12.4

12.3 Bioaccumulative potential

no data available
12.5 Results of

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

no data available

SECTION 14: Transport information

DOT (US)

| | | |
|--|--|-----------------------------|
| UN number: 1993 | Packing group: II | Class: 3 |
| Proper shipping name: FLAMMABLE LIQUID, N.O.S. (2,2,6-Trimethyl-4H-1,3-dioxin-4-one) | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: 否 |
| Environmental Hazards: 否 | | |

IMDG

| | | |
|--|-------------------|-----------|
| UN number: 1993 | Packing group: II | EMS-No: 否 |
| Proper shipping name: FLAMMABLE LIQUID, N.O.S. (2,2,6-Trimethyl-4H-1,3-dioxin-4-one) | | |

IATA

| | | |
|--|-------------------|----------|
| UN number: 1993 | Packing group: II | Class: 3 |
| Proper shipping name: FLAMMABLE LIQUID, N.O.S. (2,2,6-Trimethyl-4H-1,3-dioxin-4-one) | | |

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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