

SAFETY DATA SHEET

Version: v1

Revision Date: 2023-11-

06

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

1.1 Product identifiers

Product name titrating agent)	: one-component reagent for volumetric Karl Fischer titration(pyridine-free
Product Number	: K118706
Brand	: aladdin
CAS-No.	: no data available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	: It is only for scientific research purposes, not for medicine, family standby medicine or other purposes.
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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
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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	: no data available
Signal word	: no data available
Hazard statement(s)	
Precautionary statement(s)	

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: One-component Karl Fischer test solution; Karl-Fischer reagent;
Volumetric one-component titrant	

Formula	: no data available
Molecular weight	: no data available
CAS No.	: no data available
EC-NO.	: no data available

Component	Classification	Concentration
one-component reagent for volumetric Karl Fischer titration(pyridine-free titrating agent)	no data available	Water equivalent 5 mg H ₂ O/mL

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

用水雾,耐醇泡沫,干粉或二氧化碳灭火。

5.2 Special hazards arising from the substance or mixture

碳氧化物

5.3 Advice for firefighters

如有必要，佩戴自给式呼吸器进行消防作业。

5.4 Further information

喷水冷却未打开的容器。

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid inhaling vapors, aerosols, or gases. Eliminate all sources of ignition. Evaluate personnel to a safe area. Pay attention to the accumulation of vapor to an explosive concentration, as vapor can accumulate in low-lying areas on the ground.

6.2 Environmental precautions

If safety can be ensured, measures can be taken to prevent further leakage or overflow. Do not allow the product to enter the sewer.

6.3 Methods and materials for containment and cleaning up

Contain spillage and collect spillage with a vacuum cleaner or damp brush, place in container, and dispose of in accordance with local regulations (see Section 13).

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid the formation of dust and aerosols. Provide suitable exhaust equipment in areas with dust generation.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place. The opened container must be carefully resealed and kept in an upright position to prevent leakage.

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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of

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workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin protection

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting the product. After use, please handle the contaminated gloves carefully according to relevant laws and regulations and effective laboratory rules and procedures. Please clean and blow dry the protective gloves selected for your hands must meet the specifications given in regulation (EU) 2016 / 425 and the en 374 standard derived from it.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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

no data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

热、火焰和火花。

10.4 Conditions to avoid

强氧化剂

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

此产品中没有大于或等于 0.1% 含量的组分被 IARC 鉴定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

吸入可能有害。引起呼吸道刺激。蒸气可引起睡意和眩晕。

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

Toxic to aquatic organisms and has long-lasting effects. Avoid release into the environment.

SECTION 13:

13.1 Disposal considerations

Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur. Observe all federal, state and local regulations when disposing of the substance.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

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DOT (US)

UN number: 1262	Packing group: II	Class: 3
Proper shipping name: OCTANES	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: no data available
Environmental Hazards: yes		

IMDG

UN number: 1262	Packing group: II	EMS-No: no data available
Proper shipping name: OCTANES		

IATA

UN number: 1262	Packing group: II	Class: 3
Proper shipping name: OCTANES		

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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