

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

SAFETY DATA SHEET

Version: v1

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

1.1 Product identifiers

Product name : Methyl propionate
Product Number : M491732
Brand : aladdin
CAS-No. : 554-12-1

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

Identified uses : Laboratory chemicals, Manufacture of substances.

1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION
Address : 14078 Meridian Parkway,
Riverside, CA. 92518
Telephone : +1 (833) 552-7181
Fax : no data available

1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300
CHEMTREC®, Outside the USA :

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquids (Class 2), H225

Acute toxicity, oral (category 5), H303

Acute toxicity, inhalation (category 4), H332

Serious eye damage/eye irritation (Category 1), H318

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H225

Highly Flammable liquid and vapor

H332

Harmful if inhaled

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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.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
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].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P317	Get emergency medical help.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: no data available
Formula	: C4H8O2
Molecular weight	: 88.11
CAS No.	: 554-12-1
EC-NO.	: 209-060-4

Component	Classification	Concentration
Methyl propionate		
	no data available	≥98%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Show the safety technical instruction to the doctor on site.

If inhaled

First aid personnel: confirm their own safety! After inhalation: remove the injured person to fresh air If the breathing stops: immediately perform mouth to mouth artificial respiration, Use an oxygen mask if necessary Seek medical attention immediately.

In case of skin contact

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In case of skin contact: immediately remove / remove all contaminated clothing. Wash skin with water / shower.

In case of eye contact

After eye contact: wash off with plenty of water Contact an ophthalmologist immediately Remove the contact lens.

If swallowed

After swallowing: let the injured drink water immediately (up to 2 cups) Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the label (see Chapter 2.2) and / or Chapter 11.

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**

Carbon dioxide (CO₂) foam dry powder

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

Carbon oxide

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non emergency personnel, it is recommended not to inhale vapor and aerosol. Avoid contact with substances Ensure adequate ventilation. Keep away from heat and fire sources. sparse Disperse in hazardous areas, follow emergency procedures and seek expert opinions.

6.2 Environmental precautions

Do not allow the product to enter the sewer. Risk of explosion.

6.3 Methods and materials for containment and cleaning up

Cover the drain. Collect, contain and extract the leakage. Comply with material restrictions that may apply (see sections 7 and 10). Absorb with liquid absorbent material and treat as chemical waste Clean the affected area.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

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

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7.1 Precautions for safe handling

Operate under the fume hood. Do not inhale substances / mixtures. Avoid generating steam or smoke. Keep away from open flames, hot surfaces and ignition sources. Take measures to prevent electrostatic discharge.

7.2 Conditions for safe storage, including any incompatibilities

Keep the container closed and store in a dry and ventilated place. Keep away from heat and fire sources.

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 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

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	form: Clear, liquid color: colourless
b) Odour	no data available
c) Odour Threshold	no data available

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d) pH	no data available
e) Melting point/freezing point	-88 °C
f) Initial boiling point and boiling range	79 °C
g) Flash point	-2 °C
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	Upper explosive limit: 13%
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	0.915
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

May react violently with it: alkali oxidant and strong acid

10.4 Conditions to avoid

moisture-proof. Heat. Heat up

10.5 Incompatible materials

Various plastics

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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LD50 Oral - Rat - 5,000 mg/kg

Remarks: (RTECS)

LC50 Inhalation - 4 h - 11 mg/l

Remarks: Classification according to EU CLP Regulation 1272/2008, Annex 6 (Table 3.1/3.2)

Symptoms: mucosal irritation, pulmonary edema

LD50 Dermal - Rabbit - > 5,000 mg/kg

Remarks: (RTECS)

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

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

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Registration of toxic effects of chemical substances: UF5970000

Prolonged or frequent exposure can cause:, Anesthesia

To the best of our knowledge, this chemical, physical and toxic property has not been fully studied.

After a large amount of absorption:

System Impact:

central nervous system disease

Excited, convulsed.

burnout

anaesthetization

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Static toxicity test on algae erc50 - desmodesmus subspicatus (green algae) -> 500 mg / L - 72 h

(German industrial standard (DIN) 38412)

12.2 Persistence and degradability

Results: 77% - rapidly biodegradable. (OECD Test Guideline 301f)

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

The PBT / vpvb assessment is not available because the chemical safety assessment is not required / carried out

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

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Product

It is burned in a chemical incinerator equipped with afterburner and scrubber. However, due to the extremely flammable nature of this substance, special care should be taken when igniting. Provide residual and non recyclable solutions to licensed disposal companies. Please contact a licensed professional waste disposal service to dispose of the substance.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information**DOT (US)**

UN number: 1248

Packing group: II

Class: 3

Proper shipping name: Methyl propionate Reportable Quantity(RQ): no data availablePoison Inhalation Hazard: no data available

Environmental Hazards: no

IMDG

UN number: 1248

Packing group: II

EMS-No: no data available

Proper shipping name: Methyl propionate

IATA

UN number: 1248

Packing group: II

Class: 3

Proper shipping name: Methyl propionate

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: Other information**Prepared By**

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

Email: QualityAssurance@aladdinsci.com

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SDS sections updated v1

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