

SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-16

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

1.1 Product identifiers

Product name	: 2-(Methacryloyloxy)ethyl 2-(Trimethylammonio)ethyl Phosphate
Product Number	: M158414
Brand	: aladdin
CAS-No.	: 67881-98-5

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

Identified uses	: Laboratory chemicals, Manufacture of substances.
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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)

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H317

May cause an allergic skin reaction

Precautionary statement(s)

P261

Avoid breathing dust/fume/gas/mist/vapors/spray.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P321

Specific treatment (see ... on this label).

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P302+P352	IF ON SKIN: wash with plenty of water.
P333+P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
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	: 2-Methacryloyloxyethyl Phosphorylcholine;Phosphoric Acid 2-(Methacryloyloxy)ethyl 2-(Trimethylammonio)ethyl Ester;MPC
Formula	: C11H22NO6P
Molecular weight	: 295.27
CAS No.	: 67881-98-5
EC-NO.	: no data available

Component	Classification	Concentration
2-(Methacryloyloxy)ethyl 2-(Trimethylammonio)ethyl Phosphate	no data available	≥96%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

no data available

If inhaled

Move victim to fresh air.Call emergency medical service.Give artificial respiration if victim is not breathing.Administer oxygen if breathing is difficult.Keep victim warm and quiet.Treat symptomatically and supportively.Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

In case of skin contact

Remove and isolate contaminated clothing and shoes.In case of contact with substance, immediately flush skin with running water for at least 20 minutes.Treat symptomatically and supportively.Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

In case of eye contact

Move victim to fresh air.Check for and remove any contact lenses.In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.Keep victim warm and quiet.Treat symptomatically and supportively.Effects of exposure to substance may be delayed.Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

If swallowed

If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Loosen tight clothing such as a collar, tie, belt or waistband. If swallowed, seek medical advice immediately and show the container or label. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Effects of exposure (ingestion) to substance may be delayed.

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

Dry chemical, CO₂, water spray, or alcohol-resistant foam. Consult with local fire authorities before attempting large scale fire fighting operations.

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

Closed containers may explode from heat of a fire.

5.3 Advice for firefighters

Structural fire fighters protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations.

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear protective clothing, gloves and eye protection. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution.

6.2 Environmental precautions

Prevent entry into sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Dike far ahead of liquid spill for later disposal.

6.4 Reference to other sections

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no data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.Store under inert gas (e.g.Argon).Hygroscopic material, store in a tightly sealed container.Store in a freezer.Storage incompatibilities: Store away from oxidizing agents

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

Safety glasses.

Skin protection

Wear protective gloves.

Body Protection

no data available

Respiratory protection

Dust respirator.Be sure to use a MSHA/NIOSH approved respirator or equivalent.

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 |

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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

no data available

10.4 Conditions to avoid

Heat sensitive.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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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

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

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:

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

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13.1 Disposal considerations

Product

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

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

IMDG

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

IATA

UN number: no data available	Packing group: no data available	Class: no data available
Proper shipping name: no data available		

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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