

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 cyclohexylacetate
Product Number : M491852
Brand : aladdin
CAS-No. : 14352-61-5

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 liquid (Class 4), h227

Skin corrosion / irritation (Category 2), H315

Skin allergy (Category 1), h317

Acute (short term) aquatic hazard (Category 3), H402

Long term aquatic hazard (Category 3), h412

2.2 GHS Label elements, including precautionary statements

Pictogram



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Signal word	Warning
Hazard statement(s)	
H227	Combustible liquid
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H412	Harmful to aquatic life with long lasting effects
Precautionary statement(s)	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment (see ... on this label).
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.
P332+P317	If skin irritation occurs: Get medical help.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: Methyl cyclohexaneacetate
Formula	: C ₉ H ₁₆ O ₂
Molecular weight	: 156.22
CAS No.	: 14352-61-5
EC-NO.	: no data available

Component	Classification	Concentration
Methyl cyclohexylacetate		
	no data available	≥95%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a doctor. Show the safety technical instruction to the doctor on site.

If inhaled

If inhaled, move the patient to fresh air. If breathing stops, perform artificial respiration. Consult a doctor.

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In case of skin contact

Rinse with soap and plenty of water. Consult a doctor.

In case of eye contact

Rinse eyes with water as a precaution.

If swallowed

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

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**

Use water mist, ethanol resistant foam, dry powder or carbon dioxide to extinguish the fire.

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

Carbon oxide Combustible Vapor is heavier than air, so it can spread over the ground. It forms explosive mixture with air under rapid heating A fire may cause the generation of hazardous gases or vapors

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

no data available

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

Use personal protective equipment. Avoid inhalation of vapors, fumes or gases. Ensure adequate ventilation. Remove all ignition sources. Beware of vapor accumulation to explosive concentrations. Steam can accumulate in low-lying areas.

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. Be sure to avoid discharging into the surrounding environment.

6.3 Methods and materials for containment and cleaning up

To contain the spillage, collect the spillage with an anti electric vacuum cleaner or a wet brush and place it in a

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container for disposal according to local regulations (see Part 13). Place in a suitable closed container for disposal.

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 inhalation of vapors and fumes. Keep away from ignition sources No fireworks. Take measures to prevent electrostatic accumulation.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container closed and store in a dry and ventilated place. Open containers must be carefully resealed and kept upright 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 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

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

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	201 °C
g) Flash point	177.8 °F
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	water: soluble 0.3 g/L at 30 °C
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

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no data available

10.4 Conditions to avoid

Strong heating

10.5 Incompatible materials

Acid, alkali, oxidizing agent, reducing agent

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

LD50 oral - rat - female - 2500 mg / kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

In vivo test - mice Contact with skin may cause allergy. (OECD Test Guideline 429)

Germ cell mutagenicity

Test system: Salmonella typhimurium Metabolic activation: with or without metabolic activation Method: OECD Test Guideline 471 Results: negative

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

SECTION 12: Ecological information**12.1 Toxicity**

Static toxicity test on water fleas and other aquatic invertebrates (EC50) - Daphnia magna (water flea) - 19 mg / L - 48

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h method: test instructions of the organization for economic cooperation and development 202 static toxicity test on algae (EC50) - algae (green algae) - 42 mg / L - 72 h method: test instructions of the organization for economic cooperation and development 201

12.2 Persistence and degradability

Biodegradability aerobic - contact time 28 d results: 49% - not easy to biodegrade. Methods: OECD Test Guideline 301B

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

It is harmful to aquatic organisms and has long-term lasting effects.

SECTION 13:

13.1 Disposal considerations

Product

This explosive product can be burned in a chemical incinerator equipped with post combustion treatment and scrubbing functions to hand over the remaining and non recyclable solution to a licensed company for treatment.

Contaminated packaging

Discard 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: Non dangerous goods	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: no data available
Environmental Hazards: no		

IMDG

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

IATA

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

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SECTION 15: Regulatory information

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

SECTION 16: Other information

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