

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## SAFETY DATA SHEET

Version: v1

Revision Date: 2024-10-24

Print Date: 2024-10-24

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

## 1.1 Product identifiers

Product name : Methyl valerate  
Product Number : M108213  
Brand : aladdin  
CAS-No. : 624-24-8

## 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 (Category 2), H225

Skin sensitization (Sub-category 1B), H317

## 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H225

Highly Flammable liquid and vapor

H317

May cause an allergic skin reaction

Precautionary statement(s)

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|                |                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------|
| 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]. |
| P370+P378      | In case of fire: Use ... to extinguish.                                                                  |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                         |
| 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         | : Methyl pentanoate;Valeric Acid Methyl Ester |
| Formula          | : C6H12O2                                     |
| Molecular weight | : 116.16                                      |
| CAS No.          | : 624-24-8                                    |
| EC-NO.           | : 210-838-0                                   |

| Component       | Classification    | Concentration |
|-----------------|-------------------|---------------|
| Methyl valerate | no data available | ≥99%          |

## 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.Take victim immediately to hospital.Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

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**

no data available

#### **4.3 Indication of any immediate medical attention and special treatment needed**

no data available

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### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

Suitable extinguishing media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water

Unsuitable extinguishing media

no data available

#### **5.2 Special hazards arising from the substance or mixture**

Hazardous decomposition products formed under fire conditions.- Carbon oxides

#### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### **5.4 Further information**

no data available

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### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of  
<br/>ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive  
concentrations. Vapours <br/>can accumu

#### **6.2 Environmental precautions**

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

#### **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**

no data available

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### **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## 7.3 Specific end use(s)

no data available

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# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

## 8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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 EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.  
Splash contact  
Material: butyl-rubber  
Minimum layer thickness: 0.3 mm  
Break through time: 30 min  
Material tested: Butoject? (KCL 897 / Aldrich Z677647, Size M)  
data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374  
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

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 full-face 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

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respirators and components <br/>tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).<br/>

Control of environmental exposure

no data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                                               |
|-------------------------------------------------|-----------------------------------------------|
| a) Appearance                                   | form: Liquid color: Colorless                 |
| b) Odour                                        | no data available                             |
| c) Odour Threshold                              | no data available                             |
| d) pH                                           | no data available                             |
| e) Melting point/freezing point                 | -91.0°C                                       |
| f) Initial boiling point and boiling range      | 127.3°C                                       |
| g) Flash point                                  | 22 °C - closed cup                            |
| 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                             | 0.875 g/cm <sup>3</sup> at 25 °C              |
| n) Water solubility                             | Almost insoluble in water; Soluble in ethanol |
| 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

Stable under recommended storage conditions.

### 10.2 Chemical stability

&lt;br/&gt;Vapours may form explosive mixture with air.

### 10.3 Possibility of hazardous reactions

no data available

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## 10.4 Conditions to avoid

Oxidizing agents, Bases, acids

## 10.5 Incompatible materials

Hazardous decomposition products formed under fire conditions.- Carbon oxides <br/>Other decomposition products - no data available <br/>

## 10.6 Hazardous decomposition products

no data available

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

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

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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## SECTION 12: Ecological information

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

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## 12.1 Toxicity

## 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:

### 13.1 Disposal considerations

Product

no data available

Contaminated packaging

no data available

## SECTION 14: Transport information

DOT (US)

UN number: 3272

Packing group: II

Class: 3

Proper shipping name: ESTERS, N.O.S.  
(Methyl valerate)

Reportable Quantity(RQ): no data  
available

Poison Inhalation Hazard: no data  
available

Environmental Hazards: no

IMDG

UN number: 3272

Packing group: II

EMS-No: no data available

Proper shipping name: ESTERS, N.O.S. (Methyl valerate)

IATA

UN number: 3272

Packing group: II

Class: 3

Proper shipping name: ESTERS, N.O.S. (Methyl valerate)

## SECTION 15: Regulatory information

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

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**SECTION 16: Other information**

|                         |                                        |
|-------------------------|----------------------------------------|
| <b>Prepared By</b>      | Regulatory Affairs                     |
|                         | ALADDIN SCIENTIFIC CORPORATION         |
|                         | Email: QualityAssurance@aladdinsci.com |
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