



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

#### 1.1 Product identifiers

Product name	:	Alpha-Methyl cinnamaldehyde
REACH No.	:	The exemption from registration, tonnage falling below the registration threshold, or the anticipation of registration at a later deadline applies to this substance or its intended uses.
CAS-No.	:	101-39-3
Index-No.	:	CH-L0-A009

#### 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 Details of the supplier of the safety data sheet

Company	VALERIAN LABS HOLDING CORP
Address	1130-1971 BROADWAY STREETPORT COQUITLAM, BC V3C 0C9 CANADA
Telephone	+1 (604)-710-0869
E-mail:	<a href="mailto:info@valerianlabs.com">info@valerianlabs.com</a>

#### 1.4 Emergency telephone

<b>Number:</b>	1-888-226-8832 CANUTEC (CANADA) 1-800-424-9300 CHEMTREC (USA)
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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

In accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

#### 2.2 Label elements

Not a hazardous substance or mixture.





### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Formula	: C <sub>10</sub> H <sub>10</sub> O
Molecular weight	: 146,19 g/mol
CAS-No.	: 101-39-3
EC-No.	: 202-938-8

No components need to be disclosed according to the applicable regulations.

## SECTION 4: First aid measures

### 4.1 First-Aid Measures:

#### General advice:

- Consult a physician and provide them with this material safety data sheet.

#### If inhaled:

- Move the affected person to fresh air.
- If they are not breathing, administer artificial respiration.
- Consult a physician.

#### In case of skin contact:

- Wash the affected area with soap and plenty of water.
- Consult a physician.

#### In case of eye contact:

- Flush the eyes with water as a precaution.

#### If swallowed:

- Do NOT induce vomiting.
- Never administer anything by mouth to an unconscious person.
- Rinse the mouth with water.
- Consult a physician.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

- The most significant known symptoms and effects are described in the product labeling (refer to section 2.2) and/or in section 11.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

- No data available at this time.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides

### 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:

- Advice for non-emergency personnel: Avoid inhaling vapors and aerosols, and prevent direct contact with the substance. Ensure there is sufficient ventilation, and keep a safe distance from heat sources and potential ignition points.
- In case of an emergency, evacuate the affected area, follow emergency protocols, and seek guidance from an expert. Refer to Section 8 for information on personal protective equipment.

### 6.2 Environmental Precautions:

- Prevent the product from entering drainage systems, as there is a risk of explosion.

### 6.3 Methods and Materials for Containment and Cleanup:

- Cover drains to prevent product entry. Collect, secure, and pump off any spills. Comply with any potential material restrictions (see sections 7 and 10). Use absorbent materials suitable for liquids to clean up. Dispose of waste properly and clean the affected area.

### 6.4 Reference to Other Sections:

- For disposal instructions, please refer to Section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid inhalation of vapor or mist.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

#### Hygiene measures

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

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

#### Storage class

Storage class (TRGS 510): 10: Combustible liquids

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated





### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Ingredients with workplace control parameters

#### 8.2 Exposure controls

##### Personal protective equipment

###### Eye/Face Protection:

- Wear safety glasses equipped with side-shields that meet the EN166 standard.
- Use eye protection equipment that has been tested and approved according to relevant government standards, such as NIOSH (US) or EN 166 (EU).

###### Skin Protection:

- Handle the substance with gloves.
- Inspect gloves prior to use.
- Employ the proper glove removal technique (avoid touching the outer surface of the glove) to prevent skin contact.
- Dispose of contaminated gloves following applicable laws and good laboratory practices.
- Wash and dry hands thoroughly.
- Ensure that selected protective gloves meet the specifications of Regulation (EU) 2016/425 and the EN 374 standard associated with it.
- If the substance is used in a solution, mixed with other substances, or under conditions different from EN 374, contact the supplier of EC-approved gloves. Note that this recommendation is advisory and should be assessed by an industrial hygienist and safety officer familiar with the specific usage scenario; it does not imply approval for any particular use.

###### Body Protection:

- Wear impermeable clothing.
- Select the type of protective equipment based on the concentration and quantity of the hazardous substance at the specific workplace.

###### Respiratory Protection:

- If the risk assessment indicates the need for air-purifying respirators, use a full-face respirator with multi-purpose combination cartridges (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.
- If a respirator is the primary means of protection, use a full-face supplied air respirator.
- Utilize respirators and components that have been tested and approved in accordance with appropriate government standards such as NIOSH (US) or CEN (EU).

###### Control of Environmental Exposure:

- If it is safe to do so, prevent any further leakage or spillage.
- Ensure that the substance does not enter drainage systems.





### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- |   |  |
|---|--|
| a) Physical state                               | liquid   |
| b) Color  | yellow   |
| c) Odor   | No data available  |
| d) Melting point/freezing point                 | No data available  |
| e) Initial boiling point and boiling range      | 148 - 149 °C at 36 hPa - lit.  |
| f) Flammability (solid, gas)                    | No data available  |
| g) Upper/lower flammability or explosive limits | No data available  |
| h) Flash point                                  | 79 °C - closed cup   |
| i) Autoignition temperature                     | No data available  |
| j) Decomposition temperature                    | No data available  |
| k) pH   | No data available  |
| l) Viscosity                                    | Viscosity, kinematic: No data available<br>Viscosity, dynamic: No data available |
| m) Water solubility                             | No data available  |
| n) Partition coefficient: n-octanol/water       | No data available  |
| o) Vapor pressure                               | No data available  |
| p) Density                                      | 1,047 g/cm <sup>3</sup> at 25 °C - lit.  |
| Relative density                                | No data available  |
| q) Relative vapor density                       | No data available  |
| r) Particle characteristics                     | No data available  |
| s) Explosive properties                         | No data available  |
| t) Oxidizing properties                         | 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, flames and sparks.

#### 10.5 Incompatible materials

Strong oxidizing agents Strong oxidizing agents, Strong bases

#### 10.6 Hazardous decomposition products

In the event of fire: see section 5

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

LD50 Oral - Rat - 2.050 mg/kg

Inhalation: No data available

LD50 Dermal - Rabbit - > 5.000 mg/kg

##### Skin corrosion/irritation

Skin - Guinea pig

##### Serious eye damage/eye irritation

No data available

##### Respiratory or skin sensitization

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

#### 11.2 Additional Information

RTECS: GD6600000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.





### SECTION 12: Ecological information

#### 12.1 Toxicity

No data available

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bio accumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Endocrine disrupting properties

No data available

#### 12.7 Other adverse effects

No data available

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

##### Contaminated packaging

Dispose of as unused product.

### SECTION 14: Transport information

#### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

#### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

#### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

#### 14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

#### 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

#### 14.6 Special precautions for user

No data available





### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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

#### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

### SECTION 16: Other information

#### Full text of other abbreviations

These are abbreviations and acronyms commonly used in the field of chemical safety, regulation, and transportation:

1. ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
2. ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
3. AIIC - Australian Inventory of Industrial Chemicals
4. ASTM - American Society for the Testing of Materials
5. bw - Body weight
6. CMR - Carcinogen, Mutagen, or Reproductive Toxicant
7. DIN - Standard of the German Institute for Standardization
8. DSL - Domestic Substances List (Canada)
9. ECx - Concentration associated with x% response
10. ELx - Loading rate associated with x% response
11. EmS - Emergency Schedule
12. ENCS - Existing and New Chemical Substances (Japan)
13. ErCx - Concentration associated with x% growth rate response
14. GHS - Globally Harmonized System
15. GLP - Good Laboratory Practice
16. IARC - International Agency for Research on Cancer
17. IATA - International Air Transport Association
18. IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
19. IC50 - Half maximal inhibitory concentration
20. ICAO - International Civil Aviation Organization
21. IECSC - Inventory of Existing Chemical Substances in China
22. IMDG - International Maritime Dangerous Goods
23. IMO - International Maritime Organization
24. ISHL - Industrial Safety and Health Law (Japan)
25. ISO - International Organization for Standardization
26. KECI - Korea Existing Chemicals Inventory
27. LC50 - Lethal Concentration to 50% of a test population
28. LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
29. MARPOL - International Convention for the Prevention of Pollution from Ships
30. n.o.s. - Not Otherwise Specified
31. NO(A)EC - No Observed (Adverse) Effect Concentration
32. NO(A)EL - No Observed (Adverse) Effect Level
33. NOELR - No Observable Effect Loading Rate
34. NZIoC - New Zealand Inventory of Chemicals
35. OECD - Organization for Economic Co-operation and Development
36. OPPTS - Office of Chemical Safety and Pollution Prevention
37. PBT - Persistent, Bio accumulative, and Toxic substance







38. PICCS - Philippines Inventory of Chemicals and Chemical Substances
39. (Q)SAR - (Quantitative) Structure Activity Relationship
40. REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals
41. RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
42. SADT - Self-Accelerating Decomposition Temperature
43. SDS - Safety Data Sheet
44. TCSI - Taiwan Chemical Substance Inventory
45. TECI - Thailand Existing Chemicals Inventory
46. TSCA - Toxic Substances Control Act (United States)
47. UN - United Nations
48. UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods
49. vPvB - Very Persistent and Very Bio accumulative

### **Additional information**

The provided information is considered accurate but is not intended to cover every aspect and should be regarded as a general reference. The content in this document is derived from our current understanding and is relevant to the product concerning the necessary safety measures.

