

SAFETY DATA SHEET

Version: v1
Revision Date: 2023-10-30
Print Date: 2023-11-08

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

1.1 Product identifiers

Product name : Geraniol
Product Number : G107515
Brand : aladdin
CAS-No. : 106-24-1

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

Identified uses : Laboratory chemicals, Manufacture of substances.

1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co., Ltd
Address : 36 Xinjinqiao Road, Shanghai
Telephone : 400-620-6333
Fax : no data available

1.4 Emergency telephone number

Emergency Phone : 0532-83889090

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute toxicity (oral) Grade 5

Skin corrosion/irritation level 2

Serious damage/irritation to eyes Category 2A

Skin Sensitivity Level 1

specific target organ toxicity

-Single Touch [Tier 3]

anesthesia

Environmental hazards

Acute aquatic toxicity class 2

2.2 GHS Label elements, including precautionary statements

Pictogram



Warning

Signal word

Hazard statement(s)

H303	May be harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H401	Toxic to aquatic life

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
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.
P312	Call a POISON CENTER or doctor/... if you feel unwell.
P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P333+P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
P337+P313	IF eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
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	: trans-3,7-Dimethyl-2,6-octadien-1-ol; 3,7-Dimethyl-2,6-octadien-1-ol;
Meranol	
Formula	: C ₁₀ H ₁₈ O
Molecular weight	: 154.25
CAS No.	: 106-24-1

EC-NO. : 203-377-1

Component	Classification	Concentration
Geraniol	no data available	98%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

no data available

If inhaled

Move victim to fresh air, keep breathing, and rest. Immediately call a POISON CENTER/doctor if you feel unwell.

In case of skin contact

Immediately remove/take off all contaminated clothing. Wash gently with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

In case of eye contact

Rinse carefully with water for a few minutes. If convenient and easy to operate, remove contact lenses. Continue cleaning. If eye irritation: Get medical advice/attention.

If swallowed

If you feel unwell, seek medical advice/attention. gargle.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 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

dry powder, foam, carbon dioxide

Unsuitable extinguishing media

Water (Possible to expand the disaster.)

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Phone: 400-620-6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep away from spills/leakage and upwind. Ensure adequate ventilation. The leakage area should be enclosed with safety belts, etc., to control the entry of non-related personnel.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Absorb spillage with suitable absorbent (eg old cloth, dry sand, soil, sawdust). In the event of a large spill, dyke control. Attachments or collections should be disposed of immediately in accordance with applicable laws and regulations.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures: Handle in a well-ventilated place. Wear suitable protective equipment. Prevent smoke generation. Wash hands and face thoroughly after handling. Notes: If possible, use a closed system. If vapors or aerosols are generated, use ventilation, local exhaust. Handling Precautions: Avoid contact with skin, eyes and clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool, dark, well-ventilated place. Storage must be locked. Store away from incompatible materials such as oxidizers.

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

Eyel/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	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	-15°C
f) Initial boiling point and boiling range	229-230°C
g) Flash point	110 °C
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	0.879
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

no data available

10.5 Incompatible materials

Oxidizing agents, acid chlorides, acid anhydrides

10.6 Hazardous decomposition products

carbon dioxide, carbon monoxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

orl-rat LD50:3600 mg/kg

skn-rbt LD50:>5 g/kg

scu-mus LD50:1090 mg/kg

Skin corrosion/irritation

skn-rbt 100 mg/24H SEV

Serious eye damage/eye irritation

skn-man 16 mg/24H SEV

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

cyt-ham-ovr 78.1 mg/L/3H (-S9) cyt-ham-ovr 39.1 mg/L/3H (+S9)

Carcinogenicity

no data available

Reproductive toxicity

ori-rat TDLo:8250 mg/kg (7D pre-4D post)

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

Fish: 96h LC50: 3.7 mg/L (Oncorhynchus mykiss)

12.2 Persistence and degradability

Residual / Degradability: 36 - 70 % (by BOD) , 72 - 88 % (by TOC)

12.3 Bioaccumulative potential

Bioaccumulative Potential (BCF): 110

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

Recycle if possible. Please consult local authorities. It is recommended to incinerate in a chemical incinerator equipped with afterburning and scrubbing. Observe all national, regional and local regulations for disposal.

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

Further information

Copyright Aladdin Co. Ltd. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aladdin Co. Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Version: v1

Revision Date: 2023-10-30

Print Date: 2023-11-08