



SAFETY DATA SHEET

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Section 1: Identification

Product and Company Identification

Product Name: Geranyl acetate
Chemical Name/Synonyms: C₁₂ H₂₀ O₂
CAS NO.: 105-87-3

Relevant identified uses of the substance or mixture and uses advised against
Identified uses : Laboratory chemicals, Synthesis of substances

Details of Supplier of Safety Data Sheet

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In emergency call 911.

For information about this SDS, use this department contact phone#: 1 (323) 625-0228

Section 2: Hazard(s) Identification

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

Skin irritation (Category 2), H315
Skin sensitisation (Category 1), H317
Acute aquatic toxicity (Category 3), H402
Chronic aquatic toxicity (Category 3), H412

Signal Word(s): Warning

Hazard Statements:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.



Pictograms:

Precautionary Statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin 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.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents/ container to an approved waste disposal plant.

Description of other hazards: None

Section 3: Composition/ Information on Ingredients

Substances

Synonyms: trans-3,7-Dimethyl-2,6-octadienyl acetate
trans-3,7-Dimethyl-2,6-octadien-1-yl acetate

Formula : C₁₂ H₂₀ O₂

Molecular weight : 196.29 g/mol

CAS-No. : 105-87-3

EC-No. : 203-341-5

Chemical Name	Classification	Concentration	
Geranyl acetate	Skin Irrit. 2; Skin Sens. 1; Aquatic Acute 3; Aquatic Chronic 3; H315, H317, H412	90 - 100 %	

Section 4: First-Aid Measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

After skin contact:

Wash off with soap and plenty of water. Consult a physician

After eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After swallowing:

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

Indication of any immediate medical attention and special treatment needed:

No data available

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

Carbon oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

Section 6: Accidental Release Measures

Personal precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Measures for environmental protection:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Measures for cleaning/collecting:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist

Storage:

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

Recommended storage temperature 2 - 8 °C

Storage class (TRGS 510): 10: Combustible liquids

Specific end use(s):

No other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

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

Safety glasses with side-shields conforming to EN166 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.

Body Protection

Impervious 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 multipurpose 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. Discharge into the environment must be avoided.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: liquid Colour: colourless
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	Melting point/freezing point: < -100 °C (< -148 °F) - OECD Test Guideline 102
Initial boiling point and boiling range	138 °C (280 °F) at 33 hPa (25 mmHg) - lit.
Flash point	104 °C (219 °F) - closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	0.09 hPa (0.07 mmHg) at 20 °C (68 °F)
Vapour density	6.78 - (Air = 1.0)6.78 - (Air = 1.0)
Relative density	0.916 g/cm ³ at 25 °C (77 °F)
Water solubility	0.029 g/l at 20 °C (68 °F) - OECD Test Guideline 105
Partition coefficient: noctanol/water	log Pow: 4.04
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	2.71 mm ² /s at 20 °C (68 °F) - OECD Test Guideline 114 - 1.88 mm ² /s at 40 °C (104 °F) - OECD Test Guideline 114 -
Explosive properties	No data available

Oxidizing properties	No data available
Other safety information	
Relative vapour density	6.78 - (Air = 1.0) 6.78 - (Air = 1.0)
Section 10: Stability and Reactivity	
Reactivity: No data available	
Chemical stability: Stable under recommended storage conditions	
Possibility of hazardous reactions: No data available	
Conditions to avoid: Heat, flames and sparks	
Incompatible materials: Strong oxidizing agents	
Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available	
Section 11: Toxicological Information	
Information on toxicological effects	
Acute toxicity	
LD50 Oral - Rat - 6,330 mg/kg	
Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Coma.	
Inhalation: No data available	
Dermal: No data available	
No data available	
Skin corrosion/irritation	
Skin - Human	
Serious eye damage/eye irritation	
No data available	
Respiratory or skin sensitisation	
No data available	
Germ cell mutagenicity	
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	

Repeated dose toxicity
Rat - male and female - Oral - NOAEL : 2,000 mg/kg
RTECS: RG5920000

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

Section 12: Ecological Information (non-mandatory)

Toxicity

Toxicity to fish static test LC50 - Leuciscus idus (Golden orfe) - 68.12 mg/l - 96 h

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

Section 13: Disposal Considerations (non-mandatory)

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

Section 14: Transport Information (non-mandatory)

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15: Regulatory Information (non-mandatory)

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Geranyl acetate CAS-No. 105-87-3

New Jersey Right To Know Components

Geranyl acetate CAS-No. 105-87-3

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

Employers should only use this information only as a supplement to other information gathered by them , and should make judgement suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet , or in any combination with any other product or process, is the responsibility of the user.

Preparation Information: Terp Science Labs

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