

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	Geranyl Acetate, Natural
Product Number	0250900
CAS-No.	105-87-3

1.2 Product Recommended Use

Flavorings

1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992
Telephone	845-496-6065
Fax	845-496-6248

1.4 Emergency Telephone Number

1-800-535-5053
International - 1-352-323-3500 collect

Section 2: HAZARD(s) IDENTIFICATION

2.1 Classification of substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Skin irritation (Category 2), H315
May cause an allergic skin reaction, H317
Harmful to aquatic life with long lasting effects. H412

2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement Warning

Hazard Statement(s)

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 skin thoroughly after handling
P272 Contaminated work clothing should not be allowed out of the workplace. Wear
P280 protective gloves/eye protection/face protection
P302+P352 IF ON SKIN: Wash with plenty of soap and water
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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.
P312 Call a POISON CENTER or doctor/physician if you feel unwell
P332+P313 If skin irritation occurs. Get medical advice/attention

P337+P313 If eye irritation persists: Get medical advice/attention
 P362 Take off contaminated clothing and wash before reuse
 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 HNOC (Hazards not otherwise classified or not covered by GHS –None)

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

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

Formula $C_{12}H_{20}O_2$
 Molecular Weight 196.29 g/mol
 CAS-No 105-87-3
 EC-No. 203-341-5

Hazardous Components

Component	Classification	Concentration
Geranyl acetate	Skin irritation (Category 2), H315 Skin Sens (Category 1), H317 Aquatic Acute 3; Aquatic chronic 3; H412	90-100%

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

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

Inhalation Provide fresh air; keep at rest and at a comfortable position to breathe. Consult a physician.

Contact with skin: Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water and contact a physician.

Contact with eyes: Rinse thoroughly with plenty of water for at least 15 as a precaution and consult a physician.

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

Clothing contamination: Remove contaminated clothing and wash before reuse.

4.2 Most important symptoms and effects both acute and delayed See section 2.2 and or section 11

4.3 Indication of any immediate medical attention and special treatment needed. No data available

Section 5: FIREFIGHTING MEASURES

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|-----|--|---|
| 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 fire fighters | Wear self contained breathing apparatus for firefighting if necessary. Emits toxic fumes under fire conditions. |
| 5.4 | Further information | Use water spray to cool unopened containers. |

Section 6: ACCIDENTAL RELEASE MEASURES

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|-----|--|---|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe area. |
| 6.2 | Environment precautions | Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system. |
| 6.3 | Methods and materials for containment and clean up | Contain spillage. Soak up with absorbent material. Sweep up with broom and shovel. Place in a suitable, closed container for disposal. |
| 6.4 | Specific end use(s) | Apart from the uses mentioned in section 1.2, no other specific uses are stipulated. |

Section 7: HANDLING AND STORAGE

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|-----|--------------------------------------|---|
| 7.1 | Precautions for safe handling | Avoid contact with skin and eyes. Avoid Inhalation of vapor or mist. Normal measures for preventive fire protection. |
| 7.2 | Conditions for Safe storage | 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) | Flavorings |

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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|-----|--|---|
| 8.1 | Control parameters | |
| | Components with workplace control parameters | |
| | Contains no substances with occupational exposure limit values | |
| 8.2 | Exposure Controls | |
| | Appropriate Engineering Controls | Avoid contact with skin, eyes and clothing.
Handle in accordance with good industrial hygiene and safety practices.
Wash hands immediately after handling the product; before breaks and at the end of the day. |
| | Personal protective equipment | These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use |

by our customers. They should not be construed as offering an approval for any specific use scenario.

Eye/face protection	Wear appropriate safety glasses with side shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin protection	Wear chemically resistant, Nitrile rubber gloves, 0.4mm when handling this product.. Use proper glove removal techniques (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.
Body protection	Impervious clothing protecting against chemicals, should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
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 back up 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 governmental 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

9.1 Information on basic physical and chemical properties

a	Appearance	Colorless liquid
b	Odor	Pleasant, flowery odor
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	No data available
f	Boiling Point	245°C
g	Flash Point	104°C closed cup
h	Evaporation Rate	No data available
i	Flammability (Solid, Gas)	No data available
j	Upper/lower Flammability Limit	No data available
k	Vapor pressure	0.09 at hPa at 20°C

l	Vapor density	6.78 (Air = 1.0)
m	Relative density at 25°C	0.900-0.914
n	Solubility	Soluble in alcohol and most fixed oils, Slightly soluble in Propylene Glycol, Insoluble in glycerin and water
o	Partition coefficient: n-octanol/water	No data available
p	Auto-ignition Temp.	No data available
q	Decomposition Temp,	No data available
r	Viscosity	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	No data available
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	No data available
10.7 Further Information	No data available

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

LD50-Oral-Rat 6,330 mg/kg
Remarks: Behavioral: Somnolence (general depressed activity)
Behavioral: Coma

LC50-Inhalation No data available
LD50-Dermal No data available

Skin corrosion/irritation Skin irritant - Human

Serious eye damage/eye irritation No data available
Respiratory or skin sensitization No data available
Germ Cell mutagenicity No data available

Carcinogenicity

IARC

No component of this product, present levels greater than or equal to 0.1% is identified

as probable, possible or confirmed human carcinogen by IARC.

ACGIH No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP No component of this product, present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity No data available

Specific target organ toxicity-single exposure (GHS) Inhalation – May cause respiratory irritation

Specific target organ toxicity-repeated exposures (GHS) No data available

Aspiration Hazards No data available

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

Synergistic effect No data available

RTECS: RG5920000

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
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	PBT/vPvB assessment not available as chemical safety assessment not required / not conducted
12.6 Other adverse effects	No data available

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods	
Product:	According to local regulations
Packaging	According to local regulations

Section 14: TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section 15: REGULATORY INFORMATION

Reach No.	A registration number is not available for this substance as its uses are exempted from registration, the annual tonnage nod not require a registration or the registration is envisaged for a later registration deadline.		
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# 105-87-3	Rev. Date:
New Jersey Right to Know components	Geranyl Acetate	CAS# 105-87-3	Rev. Date:
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

HMIS Rating

Health hazard	2
Chronic Health Hazard	
Flammability	1
Physical Hazard	0

Further Information

Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

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