

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name **Geranyl Propionate, Natural**  
 Product Number **0251700**

CAS-No. **105-90-8**

### 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)*  
 Acute toxicity, Oral (Category 4), H302  
 Acute toxicity, Dermal (Category 3) H311  
 Skin irritation (Category 2), H315  
 Serious eye damage (Category 1), H318

### 2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement

**Warning**

Hazard Statement(s)

H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H335 May cause respiratory irritation

Precautionary  
 Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
 P264 Wash skin thoroughly after handling  
 P271 Use only outdoors or in a well ventilated area  
 P280 Wear 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+P223 Store in a well ventilated place. Keep container tightly closed.  
 P405 Store locked up  
 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

Formula	C <sub>13</sub> H <sub>22</sub> O <sub>2</sub>
Molecular Weight	210.31 g/mol
CAS-No	105-90-8
EC-No.	203-344-1

#### Hazardous Components

Component	Classification	Concentration
Geranyl propionate	Acute toxicity, Oral (Category 4), H302 Acute toxicity, Dermal (Category 3) H311 Skin irritation (Category 2), H315 Serious eye damage (Category 1), H318	-

## 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

- |     |  |  |
|-----|--|--|
| 5.1 | <b>Extinguishing Media</b><br>Suitable Extinguishing Media   | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide  |
| 5.2 | <b>Special hazards arising from the substance or mixture</b> | Carbon oxides  |
| 5.3 | <b>Advice for fire fighters</b>                              | Wear self contained breathing apparatus for firefighting if necessary. Emits toxic fumes under fire conditions |
| 5.4 | <b>Further information</b>                                   | Use water spray to cool unopened containers.   |

## Section 6: ACCIDENTAL RELEASE MEASURES

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

## Section 7: HANDLING AND STORAGE

- |     |                                      |   |
|-----|--------------------------------------|---|
| 7.1 | <b>Precautions for safe handling</b> | Avoid contact with skin and eyes. Avoid Inhalation of vapor or mist. Normal measures for preventive fire protection.  |
| 7.2 | <b>Conditions for Safe storage</b>   | 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 | <b>Specific End use(s)</b>           | Flavorings  |

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |     |   |  |
|-----|---|--|
| 8.1 | <b>Control parameters</b><br><b>Components with workplace control parameters:</b> | Contains no substances with occupational exposure limit values.  |
| 8.2 | <b>Exposure Controls</b><br>Appropriate Engineering Controls                      | Avoid contact with skin, eyes and clothing.<br>Handle in accordance with good industrial hygiene and safety practices.<br>Wash hands immediately after handling the product; before breaks and at the end of the day.  |
|     | <b>Personal protective equipment</b>  | <b>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.</b> |
|     | 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, Butyl rubber gloves, 0.3mm 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 to pale yellow liquid
b	Odor	Sweet, fruity, rosy, warm
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	No data available
f	Boiling Point	253°C
g	Flash Point	110°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	No data available
l	Vapor density	No data available
m	Relative density at 25°C	0.896-0.913
n	Solubility	Soluble in alcohol and most fixed oils, Insoluble in glycerin, propylene glycol and water 1:4 in 80% alcohol
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	<b>Conditions to avoid</b>	No data available
10.5	<b>Incompatible materials</b>	Strong oxidizing agents
10.6	<b>Hazardous decomposition products</b>	No data available
10.7	<b>Further Information</b>	No data available

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

LD50-Oral-Rat	>5,000 mg/kg
LC50-Inhalation	No data available
LD50-Dermal-Rabbit	>5,000 mg/kg
Skin corrosion/irritation	No data available
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 at 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:	RG5927906

## Section 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	No data available
12.2	<b>Persistence and degradability</b>	No data available
12.3	<b>Bioaccumulative potential</b>	No data available
12.4	<b>Mobility in soil</b>	No data available
12.5	<b>Results of PBT and vPvB assessment</b>	PBT/vPvB assessment not available as chemical safety assessment not required / not conducted
12.6	<b>Other adverse effects</b>	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 does 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 Propionate CAS# 105-90-8 Rev. Date

New Jersey Right to Know components Geranyl Propionate CAS# 105-90-8 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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