

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name	<b>Vanillin AU Eugenol, Natural</b>
Product Number	<b>0310700</b>
CAS-No.	<b>121-33-5</b>

### 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)*  
 May be harmful if swallowed, H303; ATO 5(3500)  
 Eye irritation (Category 2A), H319; EDI 2A  
 Acute aquatic toxicity (Category 3), H402; EH A3  
 Chronic aquatic toxicity (Category 3), H412

### 2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement

**Warning**

Hazard Statement(s)

H303 May be harmful if swallowed  
 H319 Causes serious eye irritation  
 H412 Harmful to aquatic life with long lasting effects

Precautionary Statement(s)

P264 Wash skin thoroughly after handling  
 P273 Avoid release to the environment  
 P280 Wear protective gloves/eye protection/face protection  
 P301+P312 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician if you feel unwell.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.  
 P337+P313 If eye irritation persists: Get medical advice/attention

P403+P235 Store in a well-ventilated place. Keep cool.

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	4-Hydroxy-3-methoxybenzaldehyde
Formula	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>
Molecular Weight	152.15 g/mol
CAS-No	121-33-5
EC-No.	204-465-2

#### Hazardous Components

Component	Classification	Concentration
Vanillin	Harmful if swallowed, H303 Eye irritation (2A), H319 Acute aquatic toxicity (3), H402 Chronic aquatic toxicity (3), H412	<= 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

#### 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.

#### 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

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

- 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. Avoid dry sweeping to avoid creating dust. Wet 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

- 7.1 Precautions for safe handling** Avoid contact with skin and eyes and clothing. Avoid formation of dust and aerosols. **Provide appropriate exhaust ventilation at places where dust is formed.**
- 7.2 Conditions for Safe storage** Keep container tightly closed in a cool, dry and well-ventilated place. **Air, light and moisture sensitive.**
- 7.3 Specific End use(s)** Flavorings

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

Component	CAS-No.	Value	Control Parameters	Basis
Vanillin	121-33-5	TWA	10 mg/m <sup>3</sup>	USA. Workplace Environmental Exposure Levels (WEEL)

### 8.2 Exposure Controls

#### Appropriate Engineering Controls

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, 0.11mm, 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** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. 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 to the environment must be avoided.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a	Appearance	Solid-Crystalline-Powder White-to slightly yellow
b	Odor	Sweet vanilla
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	Melting Point: 81-83°C
f	Boiling Point	285°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 20°C	No data available
n	Solubility	Insoluble in water; soluble in organic solvents
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	Heating
10.5	Incompatible materials	Strong oxidizing agents
10.6	Hazardous decomposition products	Carbon oxides
10.7	Further Information	No data available

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute Toxicity</b>	
LD50-Oral –Rat	3978 mg/kg
LC50-Inhalation	No data available
LD50-Dermal –Rabbit	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Rabbit: Irritating to eyes – 72h
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)	No data available
Specific target organ toxicity-repeated exposures (GHS)	No data available
Aspiration Hazards	No data available
Signs and Symptoms of Exposure	May be harmful if inhaled, swallowed, or if absorbed through skin.
Synergistic effect	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
RTECS:	No data available Not available

**Section 12: ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	To Fish: LC50: Semi-Static Test: Pimephales promelas (fathead minnow) 57mg/l 96h LC50: Static Test: Pimephales promelas (fathead minnow) 88 mg/l 96h LC50: Flow Through Test: Pimephales promelas (fathead minnow) 53-61.3 mg/l 96 h
<b>12.2 Persistence and degradability</b>	No data available
<b>12.3 Bioaccumulative potential</b>	No data available
<b>12.4 Mobility in soil</b>	No data available
<b>12.5 Results of PBT and vPvB assessment</b>	PBT/vPvB assessment not available as chemical safety assessment not required / not conducted
<b>12.6 Other adverse effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. <b>Harmful to aquatic life</b>

**Section 13: DISPOSAL CONSIDERATIONS****13.1 Disposal methods**

Product:	According to local regulations
Packaging:	According to local regulations

**Section 14: TRANSPORT INFORMATION**

<b>DOT (US)</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>IATA</b>	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	Vanillin	CAS# 121-33-5	Rev. Date: 12/1/1989
New Jersey Right to Know components	Vanillin	CAS# 121-33-5	Rev. Date: 12/1/1989
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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