

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

## Section 1: IDENTIFICATION

Product Name: **Phenylacetaldehyde 10% in ETOH, Natural**  
 Product Number: **0287410**  
 Recommended Use: **Flavorings**

Manufacturer: **Aurochemicals**  
 7 Nicoll Street  
 Washingtonville, NY 10992 – USA  
 845-496-6065  
 845-496-6248 Fax


Emergency Telephone No.: **1-800-535-5053**  
 (International 1-352-323-3500 collect)

## Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards: **Flammable liquid, Target Organ Effect, Harmful by ingestion, Irritant, Carcinogen**

Target Organs: **Nerves, Liver, Heart**

GHS Classification: **Flammable Liquids (Category 2)**  
**Skin irritation (Category 2)**  
**Eye irritant (Category 2A)**  
**Specific target organ toxicity-single exposure (Category 3)**

Pictogram or written description: 

Signal Word: **Danger**

Hazard Statement: **H225** Highly Flammable liquid and vapor.  
**H315** Causes skin irritation  
**H319** Causes serious eye irritation  
**H335** May cause respiratory irritation

Precautionary Statement: **P210** Keep away from heat/sparks/open flames/ hot surfaces – No smoking  
**P261** Avoid breathing dust/fume/gas/mist/vapors/spray  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

HMIS Classification: **Health Hazard 2**  
**Chronic Health Hazard\***  
**Flammability 3**  
**Physical Hazards 0**

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	Harmful if absorbed through skin. Causes skin irritation
Eyes	Causes eye irritation
Ingestion	Harmful if swallowed

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component		Classification	Concentration
Ethanol	CAS No. 64-17-5 EC-No: 200-578-6 Index No. 603-002-00-5	Flammable Liquid: Category 2 (H225)	90%
Phenylacetaldehyde	CAS No. 1227-78-1 EC-No.: 204-574-5	Acute Tox.(4); Skin Irrit, (2); Eye Irrit, (2); STOT SE (3); H302, H315,H319,H335	10%

For the full text of the H and R phrases mentioned in this section, see section 16

Common Name:	Phenylacetaldehyde 10% in EtOH, Natural (Ethanol Solution)
Synonyms:	
Formula	C <sub>8</sub> H <sub>8</sub> O
Molecular Weight	120.15 g/mol

### Section 4: FIRST AID MEASURES

General Advise:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Consult a physician.
Inhalation:	Provide fresh air. Consult a physician.
Ingestion:	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water, seek medical advice, show this container or label to attending physician.
Clothing contamination:	Remove contaminated clothing and wash before reuse.

### Section 5: FIREFIGHTING MEASURES

Conditions of flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface – No smoking.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Firefighting Procedures:	Wear self contained breathing apparatus for firefighting if necessary.
Hazardous combustion products	Hazardous decomposition products formed under fire conditions – Carbon Oxides.
Further information	Use water spray to cool unopened containers.

### Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Use personal protective equipment.
Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage

Methods and materials for containment and cleaning up  
Ventilate area

system.  
Contain spillage, and then collect using absorbent material and place in container for disposal according to local regulations.  
After clean up, wash spill area and ventilate the area well.

## Section 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion proof equipment. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic charge.

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. Handle under inert gas. Protect from moisture.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters				
Components	CAS No.:	Value	Control parameters	Basis
Ethanol	64-17-5	TWA	1,000 ppm	USA, ACGIH Threshold Limit Values (TLV)
Remarks: Upper Respiratory Tract Irritation; Confirmed animal carcinogen with unknown relevance to humans				
		TWA	1,000ppm 1,900 mg/m3	USA OSHA – Table Z-1 Limits for Air Contaminants-1910.100
		TWA	1,000ppm 1,900 mg/m3	USA OSHA Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants-
The value in mg/m3 is approximate				
		TWA	1,000ppm 1,900 mg/m3	USA. NIOSH Recommended Exposure Limits

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.**

Body Protection:

Impervious, flame retardant and anti-static clothing 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:

Required when vapors / aerosols are generated.

Eye Protection:

Wear tightly fitting safety goggles, Face shield – 8 " min. Wear appropriate eye and face protection.

Hand Protection:

Wear chemically resistant gloves of Nitrile rubber.

Industrial Hygiene:

Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing and wash before reuse. Wash hands after working with product. Application of barrier cream is recommended.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless to pale yellow
Odor:	Alcoholic rose
Boiling Point:	~80°C
Flashpoint:	~18°C
Melting Point	No data available
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.836-0.860
Solubility	Soluble in water, soluble in most organic solvents
Partition coefficient: n-octanol/water	No data available
Relative vapor density	No data available
Evaporation Rate	No data available

## Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Vapors may form explosive mixture with air.
Conditions to avoid	Heat, Flames, and sparks. Extremes of temperature and direct sunlight.
Materials to avoid	Oxidizing agents, Strong bases, Alkali metals, Ammonia, Peroxides
Hazardous decomposition products:	Fumes formed under fire conditions - Carbon oxides.
Further information	No data available

## Section 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

LD50, Oral	No data available
LC50 Inhalation	No data available
LD50 Dermal	No data available
Other information on acute toxicity:	No data available
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.
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.

# Safety Data Sheet

Reproductive toxicity	No data available
Teratogenicity	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
Potential Health effects	
	Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
	Ingestion Harmful if swallowed
	Skin Harmful if absorbed through skin. Causes skin irritation
	Eyes Causes eye Irritation
Signs and Symptoms of Exposure	<b>Central nervous system depression, narcosis. Damage to the heart. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</b>
Synergistic effects	No data available
RTECS:	Not available

## Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB assessment	No data available
Other adverse effects	No data available

## Section 13: DISPOSAL CONSIDERATIONS

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

## Section 14: TRANSPORT INFORMATION

<b>DOT (US)</b>	UN 1170 Class 3 Packing Group II
Proper shipping name	Ethanol Solutions
Reportable Quantity (RQ)	
Marine pollutant	No
Poison Inhalation Hazard	No
<b>IMDG-Classification</b>	UN 1170 Class 3 Packing Group II EMS-No.: F-E, S,D
Proper shipping name	ETHANOL SOLUTIONS
Marine pollutant	No
<b>IATA-Classification</b>	UN 1170 Class 3 Packing Group II
Proper shipping name	Ethanol Solutions

## Section 15: REGULATORY INFORMATION

OSHA Hazards	Flammable liquid, Target Organ Effect, Harmful by ingestion, Irritant, Carcinogen.
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# Safety Data Sheet

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	Fire Hazard, Acute Health Hazard, Chronic Health Hazard		
Massachusetts Right to Know components	Ethanol	CAS#64-17-5	Rev. Date: 3/1/2007
Pennsylvania Right to Know components	Ethanol	CAS#64-17-5	Rev. Date: 3/1/2007
New Jersey Right to Know components	Ethanol	CAS#64-17-5	Rev. Date: 3/1/2007
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

Text of H-code(s) and R-Phrase(s) as mentioned in Section 3

Acute Tox.	Acute Toxicity
Eye Irrit.	Eye Irritation
Flam, Liq,	Flammable Liquids
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H315	Causes skin irritation
H335	May cause respiratory irritation
Skin Irrit,	Skin Irritant
STOT SE	Specific target organ toxicity – Single Exposure

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.

<b>Issued by:</b>	<b>Contact Person:</b>
Aurochemicals	Deo N. Persaud
7 Nicoll Street	8/18/2022
Washingtonville, NY 10992 USA	