


HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

## Section 1: IDENTIFICATION

Product Name:	<b>Heliotropine (Piperonal), Natural (Manufacturers)</b>
Product Number:	0291100
CAS-No.	120-57-0
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	Irritant
GHS Classification	Acute toxicity, Oral (Category 5) Skin irritation (Category 2) Eye irritation (Category 2B) Acute aquatic toxicity (Category 3)
GHS Label elements, including precautionary statements	
Pictogram	
Signal Word:	Warning
Hazard Statement(s):	H303 May be harmful if swallowed H315+H320 Causes skin and eye irritation H402 Harmful to aquatic life
Precautionary Statement(s):	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
Hazards not otherwise classified (HNOC) or not covered by GHS	None
HMIS Classification	Health Hazard 2 Flammability 1 Physical Hazards 0
Hazards not otherwise classified (HNOC) or not	None

covered by GHS.

## Potential Health Effects

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

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Synonyms

Piperonal

1,3-Benzodioxole-5-carboxaldehyde

3,4-(Methylenedioxy)Benzaldehyde

Formula

C<sub>8</sub>H<sub>6</sub>O<sub>3</sub>

Molecular Weight

150.13 g/mol

Component	Concentration	
Piperonal	CAS-No. 120-57-0 EC-No. 204-409-7	-

## 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 seek medical advice.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with plenty of 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:	Wash contaminated clothing before re-use

## Section 5: FIREFIGHTING MEASURES

Conditions of flammability	Not flammable or combustible
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special protective equipment for firefighters	Wear self contained breathing apparatus for firefighting if necessary
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides.

## Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.
Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Procedures for cleaning / absorption	Sweep up without creating dust, dispose of as hazardous waste. Keep in suitable, closed containers for disposal
Ventilate area	After sweep up, wash area and ventilate area well

## Section 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Light Sensitive

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values
Personal Protective Equipment:	<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>
Body Protection:	Protective clothing should be selected specifically for the work place, depending on concentration and quantity of the substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
Respiratory Protection:	For nuisance exposures US type P95 particle respirator. For higher levels of protection use OV/AG/P99 respirator cartridge and NIOSH tested and approved respirators.
Eye Protection:	Wear appropriate safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Hand Protection:	Wear chemically resistant Nitrile rubber gloves and use proper glove removal techniques to avoid skin contact with this product. Wash and dry hands after handling this product.
Industrial Hygiene:	Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands after working with product

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to pale yellow crystalline
Odor:	Very sweet floral, warm slightly spicy, cherry like
Melting Point Range	35-38°C
Boiling Point:	264°C
Flashpoint:	>110°C

# Safety Data Sheet

Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	1 hPa (1mmHg) at 87°C
Specific Gravity @ 25°C:	No data available
Solubility	Freely soluble in ethanol; soluble in organic solvents and oils; slightly soluble in water.

## Section 10: STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions
Possibility of Hazardous reactions	No data available
Conditions to avoid	No data available
Materials to avoid	Strong oxidizing agents, strong bases
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions-Carbon oxides.

## Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral- Rat	2,700 mg/kg Remarks: Behavioral: Somnolence (general depressed activity) Excitement, Ataxia
LC50 Inhalation	No data available
LD50 Dermal-Rat	>5,000 mg/kg
Further toxicological information	No data available
Skin corrosion / irritation	Guinea Pig: Skin Irritation 48h
Serious eye damage / eye irritation	Rabbit: Mild eye irritation 48h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Genotoxicity in vitro- Human-lymphocyte; Sister chromatid exchange Genotoxicity in vitro-Chicken-Embryo; Sister chromatid exchange
<b>Carcinogenicity</b>	
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 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

# Safety Data Sheet

Specific target organ toxicity-Repeated Exposure (GHS)	No data available
Aspiration hazard	No data available
Potential health effects	Inhalation May be harmful if inhaled. Causes respiratory tract irritation Ingestion May be harmful if swallowed Skin May be harmful if absorbed through skin. Causes skin irritation Eyes Causes eye irritation
Synergistic effects	No data available
Signs and Symptoms of Exposure	Central nervous system depression. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
RTECS	TO1575000
Additional information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

## Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Other adverse effects	Harmful to aquatic life. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal,

## Section 13: DISPOSAL CONSIDERATIONS

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

OSHA Hazards	Irritant
SARA 302	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

# Safety Data Sheet

Massachusetts Right to Know Components	No components are subject to the Massachusetts Right to Know Act		
Pennsylvania Right to Know Components	Piperonal	CAS # 120-57-0	Rev. Date:
New Jersey Right to Know Components	Piperonal	CAS # 120-57-0	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

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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