

HEALTH	2
COMBUSTIBILITY	2
REACTIVITY	0

**Section 1: IDENTIFICATION**

Product Name: **Nonanal, Natural**  
 Product Number: **0278200**  
 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 **Flammable Liquids (Category 4)**  
**Skin irritation (Category 2)**  
**Eye irritation (Category 2A)**  
**Specific target organ toxicity – Single Exposure (Category 3)**

GHS Label elements, including precautionary statements

Pictogram 

Signal Word: **Warning**

Hazard Statement: **H227 Combustible liquid**  
**H315 Causes skin irritation**  
**H319 Causes serious eye damage**  
**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**  
**P264 Wash skin thoroughly after handling**  
**P271 Use only outdoors or in a well-ventilated area**  
**P280 Wear protective, gloves, clothing, eye and face protection**  
**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 well ventilated place. Keep container tightly closed
P235	Keep cool
P405	Store locked up
P501	Dispose of contents/container to an approved waste disposal plant

HNOC (Hazards not otherwise classified or not covered by GHS) None

HMIS Classification

Health Hazard	2
Combustibility	2
Physical Hazards	0

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 Pelargonaldehyde; Nonyl Aldehyde; Aldehyde C9

Molecular Formula C<sub>9</sub>H<sub>18</sub>O  
Molecular Weight 142.24 g/mol  
CAS # 124-19-6  
EC# 204-688-5

#### Hazardous Components

Component	Classification	Concentration
Nonanal	Combustible Liquid (4) H227 Skin irritant (2) H315 Eye Irritant (2A) H319 May cause Respiratory irritation H335 Specific Target Organ Toxicity-Single Exposure (3)	60-100%

### 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

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special hazards arising from the substance or mixture	Wear self contained breathing apparatus for firefighting if necessary.
Special protective equipment for firefighters	
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides. Use water spray to cool unopened containers.

## Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Procedures for cleaning / absorption	Soak up with inert absorbent material and 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 inhalation of vapor or mist. 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.
Specific end use(s)	Flavorings

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: 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:	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 respirators are appropriate the respirator should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. Use respirators and components tested and approved under appropriate government standards such as NIOSH.
Eye Protection:	Wear appropriate face shield and 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 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

Form:	Liquid
Color:	Colorless or slightly yellow liquid
Odor:	No data available
Boiling Point:	No data available
Flashpoint:	64 oC
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:	0.820-0.830
Solubility	Soluble in alcohol, most fixed oils, propylene glycol Insoluble in glycerine

## Section 10: STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions
Possibility of Hazardous reactions	Contains the following stabilizers $\alpha$ -Tocopherol ( $\geq 0.1\%$ )
Conditions to avoid	No data available
Materials to avoid	Heat, flames and sparks
Hazardous decomposition products	Strong bases, Strong reducing agents, Strong oxidizing agents
	No data available

## Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral Rat	>5,000 mg/kg Remarks: Behavioral: Somnolence (general depressed activity) Kidney, Ureter, Bladder: Urine volume increased
LC50 Inhalation	No data available
LD50 Dermal	No data available
Further toxicological information	No data available
Skin corrosion / irritation	Rabbit – Severe skin irritation -24h

Serious eye damage / eye irritation	Rabbit – moderate eye irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Rat: Liver: sister chromatid exchange Hamster: Lungs: mutation in mammalian somatic cells

**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 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 Exposure (GHS)	No data available
Aspiration hazard	No data available
Synergistic effects	No data available
RTECS	RA5700000

**Section 12: ECOLOGICAL INFORMATION**

Toxicity	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>	NA 1993 Class: None Packing Group III
Proper shipping name	Combustible liquid, n.o.s. ( $\alpha$ -Tocopherol)
Reportable Quantity (RQ)	No
Marine Pollutant	No
Poison inhalation hazard	No
<b>IMDG</b>	Not a dangerous goods
<b>IATA</b>	Not a 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	Fire Hazard, Acute Health Hazard
Massachusetts Right to Know Components	No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know Components	Nonanal CAS # 124-19-6 Rev. Date:
New Jersey Right to Know Components	Nonanal CAS # 124-19-6 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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