

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

## Section 1: IDENTIFICATION

Product Name: **Cinnamic Aldehyde, Natural**  
 Product Number: **0228600**  
 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 Skin sensitiser, Irritant, Flammable Liquid  
 GHS Classification Acute Toxicity, Oral (Category 5)  
 Skin irritation (Category 2)  
 Eye irritation (Category 2A)  
 Skin sensitisation (Category 1)  
 Specific target organ toxicity-Single exposure (Category 3) Respiratory system

Pictogram or written description



Signal Word: Danger

Hazard Statement(s) H303 May be harmful if swallowed  
 H315 Causes skin irritation  
 H317 May cause an allergic skin reaction  
 H319 Causes serious eye irritation  
 H335 May cause respiratory irritation

Precautionary statement(s) P261 Avoid breathing dust/fume/gas/mist/vapor/spray  
 P280 Wear protective gloves  
 P305+ IF IN EYES: Rinse cautiously with water for several minutes.  
 P351+ Remove contact lenses if present and easy to do.  
 P338 Continue rinsing.

HMIS Classification Health Hazard 2  
 Flammability 1  
 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

Component	Cinnamaldehyde
Common Name:	Cinnamic Aldehyde
Synonyms:	3-Phenylprop-2-enal
CAS #	104-55-2
EC#	203-213-9
Molecular Formula	C <sub>9</sub> H <sub>8</sub> O

## Section 4: FIRST AID MEASURES

Contact with eyes:	Rinse thoroughly with plenty of water and seek medical advice.
Contact with skin:	Remove contaminated clothing. Rinse with cool water; wash with mild soap and warm water.
Inhalation:	Provide fresh air, consult a physician.
Ingestion:	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:	Wash contaminated clothing before re-use

## Section 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media	Carbon Dioxide, alcohol resistant foam, dry chemical.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus Prevent fire-fighting water from entering surface or ground water.
Special Risks	Combustible. Vapors heavier than air. Unusual fire and explosions hazards. Forms explosive mixtures with air at ambient temperatures. Emits toxic fumes under fire conditions.
Other Information	Cool container with water spray from a safe distance. Contain escaping vapors with water. Prevent fire-fighting water from entering surface water or ground water. Keep away from sources of ignition

## Section 6: ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures	Evacuate personnel to safe areas. Do not inhale vapors, mist, or gas. Beware of vapors accumulating to form explosive concentrations; Ensure supply of fresh air in enclosed rooms.  Wear respirator, safety glasses, chemical resistant gloves.
Environmental-protected measures	Do not allow to enter drains, sewage system or ground waters.
Procedures for cleaning / absorption	With absorbent, sweep up and discard in container, set out for disposal.
Ventilate area	After sweep up, wash area and ventilate area well

## Section 7: HANDLING AND STORAGE

Handling:	Avoid contact with skin or eyes. Avoid inhalation of vapor or mist. Take precautionary measures against static discharges. Keep away from source of ignition. No smoking. When handling this product, do not eat or drink.
Storage:	Store tightly closed, in cool well ventilated place.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Avoid contact with eyes, skin, clothing, and breathing vapors. Use under mechanical exhaust fan (hood) when handling this product.
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>  Protective 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:	Where risk assessment shows air purifying respirators are appropriate, use a full face respirator with multi-purpose combination 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.
Eye Protection:	Chemical resistant safety goggles and face protection – Face Shield
Hand Protection:	Wear chemically resistant gloves of Nitrile rubber – avoid contact with skin.
Industrial Hygiene:	Handle in accordance with good industrial hygiene and safety practice. Change out of contaminated clothing and wash before reuse. Wash hands after working with product.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Yellow
Odor:	Strong cinnamon odor
Melting Point	-7.5°C
Boiling Point:	248-250°C
Flashpoint:	71°C
Ignition temperature	No information available
Lower Explosion Limit	No information available
Upper Explosion Limit	No information available
Vapor Pressure:	<0.1 hPa
Specific Gravity @ 25°C:	1.044-1.058
Solubility	Insoluble in water; miscible in oils and ethanol

## Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Conditions to be avoided	No data available
Substances to be avoided	Strong oxidizing agents, strong bases
Hazardous decomposition products:	Toxic fumes formed under fire conditions – carbon monoxide, carbon dioxide
Further information	Light Sensitive; Sensitive to air.

## Section 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

LD50, Oral Rat	2220 mg/kg Remarks: Behavioral: Somnolence (general depressed activity) Diarrhea
LC50 Inhalation	No information available
LD50 Dermal	No information available
Further toxicological information	No information available
Skin corrosion/ irritation	Human
Serious eye damage/eye irritation	No information available
Respiratory or skin sensitisation	May cause allergic skin reaction
Germ Cell mutagenicity	No information 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 information available
Teratogenicity	No information available

Specific target organ toxicity-Single Exposure (GHS) Inhalation – May cause respiratory irritation

Specific target organ toxicity-Repeated Exposure (GHS) No information available

Aspiration hazard No information 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

Signs and Symptoms of Exposure Burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Synergistic effects No information available

RTECS# GD6475000

## Section 12: ECOLOGICAL INFORMATION

Toxicity	No information available
Further ecological effects	Do not allow to enter water, drain or soil

## Section 13: DISPOSAL CONSIDERATIONS

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

## Section 14: TRANSPORT INFORMATION

UN-no. / Proper Shipping Name	UN1989 / Aldehydes, n.o.s
IMDG-Classification	3 / UN1989/ PGIII
IATA-Classification	3 / UN1989/ PGIII
ADR-Classification	3 / UN1989/ PGIII

## Section 15: REGULATORY INFORMATION

OSHA Hazards	Skin sensitizer, irritant, Flammable liquid		
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	Cinnamaldehyde	CAS#104-55-2	Rev. Date:
New Jersey Right to Know components	Cinnamaldehyde	CAS#104-55-2	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.		
Labeling according to EC Directives			
Symbol	F	Flammable	
	Xn	Harmful	
R-Phrases	R11	Flammable	
	R21	Harmful in contact with skin	
	R38	Irritating to skin	
	R43	May cause sensitization by skin contact	
S-Phrases	S25	Avoid contact with eyes	
	S36	Wear suitable protective clothing	
	S37	Wear suitable protective gloves	

# Safety Data Sheet

EC-no.

203-213-9

## 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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