



# TECHVINA

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## SAFETY DATA SHEET

### CINNAMIC ALDEHYDE NAT

Issue date: June 20, 2017  
Version #5

Revision date: January 1, 2022  
Print date: January 1, 2022

#### 1. Identification of the substance/preparation and of the company/undertaking

Product Name	Cinnamic Aldehyde NAT
CAS Number	104-55-2
EC Number	203-213-9
FEMA Number	2286
Recommended use	Concentrated aromatic and flavor ingredient which may be used in flavor and fragrance compounds according to legal and IFRA or FEMA GRAS/FDA guidelines.
Recommended restrictions	For Manufacturing Use Only.
Manufacturer Information	
Company name	TECH-VINA.,JSC
Address	Binh Dan Village, Tan Dan Commune, Khoai Chau District, Hung Yen Province, Vietnam
Telephone	+84 866 115 386
Website	<a href="http://www.techvina.vn">www.techvina.vn</a>
Email	<a href="mailto:info@techvina.vn">info@techvina.vn</a>
Emergency phone number	+84 912 939 338

#### 2. Hazards identification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 5
	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization	Category 1
Environmental hazards	Hazardous to the aquatic environment	Category 2



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## Label elements

acute hazard



GHS06 GHS07

## Signal word

Warning

## Hazard Statements

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

## Precautionary statements

### Prevention

- P261 Avoid breathing fumes.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/eye protection/face protection.

## Response

- P363 Wash contaminated clothing before reuse.

## Storage

- P405 Store locked up.

## Disposal



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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNO C) After prolonged contact with highly porous materials, this product may spontaneously combust.

Supplemental information 100% of the substance consists of component(s) of unknown acute inhalation toxicity. 100% of the substance consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. Composition/information on ingredients

Chemical name	Cinnamic Aldehyde
Common name & synonyms	Cinnamal; Cinnamaldehyde; Cassia Oil Fractions
Chemical Characterization	Substances
CAS Number	104-55-2
EC Number	203-213-9
FEMA Number	2286
Formula	C <sub>9</sub> H <sub>8</sub> O
Purity	99.0%
Molar mass	132.16 g/mol

### 4. First-aid measures

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.



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Eye contact	Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.
Ingestion	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	No further relevant information available.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

#### 5. Fire-fighting measures

Suitable extinguishing media	Water spray, fog, CO2, dry chemicals, or alcohol resistant foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural fire fighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece



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Fire fighting equipment/instructions	operated in the positive pressure demand mode when fighting fires.  In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.
Specific methods	Use water spray to cool unopened containers.
General fire hazards	Static charges generated by emptying package in or near flammable vapor may cause flash fire.

#### 6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures	Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.
Methods and materials for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  Dispose contaminated material as waste according to item 12.  Ensure adequate ventilation.
Environmental precautions	Do not allow to enter sewers/surface or ground water.

#### 7. Handling and storage

Precautions for safe handling	Do not handle or store near an open flame, heat or other sources of ignition. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. May auto-oxidize with sufficient heat generation to ignite if spread (as a thin film) or absorbed on porous or fibrous material. Take precautionary measures against static discharges. All equipment used when handling the
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product must be grounded. Contaminated rags and cloths must be put in fireproof containers for disposal. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities Do not store in direct sunlight. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

#### 8. Exposure controls/personal protection

Occupational exposure limits This substance has no PEL, TLV, or other recommended exposure limits.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.

Individual protection measures, such as personal protective equipment

- Eye/face protection Face shield is recommended. Avoid contact with eyes.
- Hand skin protection Chemical resistant gloves.
- Other skin protection Use of an impervious apron is recommended.
- Respiratory protection Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.
- Thermal hazards Wear appropriate thermal protective clothing, when necessary.
- General hygiene considerations Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

#### 9. Physical and chemical properties

Appearance Refer to Spec Sheet



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Physical state	Liquid.
Form	Liquid.
Color	Refer to Spec Sheet
Odor	Characteristic.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	-7.5 °C
Initial boiling point and boiling range	253 °C
Flash point	71 °C Closed cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Vapor pressure	0.03 mm Hg at 25 °C
Vapor density	4.6
Relative density	Not available.
Solubility (water)	Insoluble
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Specific gravity	1.046 to 1.050 @ 20 °C
<b>10. Stability and reactivity</b>	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.



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Conditions to avoid	Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products if stored and handled as indicated.

#### 11. Toxicological information

Information on the likely routes of exposure:

Inhalation	Knowledge about health hazard is incomplete.
Skin Contact	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Eye Contact	Causes eye irritation.
Ingestion	Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity	Harmful in contact with skin. Harmful if swallowed.
Skin corrosion/irritation	Causes skin irritation: Human - 40 mg/48H – SEVERE.
Serious eye damage/eye irritation	Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
Skin sensitization	May cause an allergic skin reaction.

#### 12. Ecological information

Ecotoxicity	Toxic to aquatic life.
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Persistence and degradability	No data is available on the degradability of this substance.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

#### 13. Disposal Considerations

Disposal instructions	Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	Not established.
Waste from residues/ unused products	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### 14. Transport information

DOT (US)

UN Number N/A

Proper Shipping Name Not restricted.

Class -

Packing Group -



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### IMDG

UN Number N/A  
Proper Shipping Name Not restricted.  
Class -  
Packing Group -

### IATA

UN Number N/A  
Proper Shipping Name Not restricted.  
Class -  
Packing Group -

### ADR

UN Number N/A  
Proper Shipping Name Not restricted.  
Class -  
Packing Group -

Transport hazard class(es) N/A

### 15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

SARA 304 Emergency release notification Not regulated.



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OSHA Specifically Not listed.  
Regulated Substances (29  
CFR 1910.1001-1053)

Other federal regulations

Clean Air Act (CAA) Section Not regulated.  
112 Hazardous Air  
Pollutants (HAPs) List

Clean Air Act (CAA) Section Not regulated.  
112(r) Accidental Release  
Prevention (40 CFR 68.130)

Safe Drinking Water Act Not listed.  
(SDWA)

### 16. Other information

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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet is intended to meet the specific requirements of GHS and should be used accordingly. While the information has been obtained from sources believed to be accurate and reliable, no warranty, expressed or implied, can be made with regard to its completeness, correctness or accuracy. Any users or handlers of this product who are not under the direct control of Tech-vina JSC are responsible for evaluating this information in light of their particular situation and are responsible for all losses, damages or expenses that result while this material is under their control. It is also the responsibility of the users and handlers to observe any and all laws and regulations (Global, Federal, State and Local) concerning the transportation, use, handling, storage and disposal of this product.

