

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Cinnamaldehyde
 Product Number : W228613
 Brand : Aldrich
 Company : Sigma-Aldrich Canada, Ltd
 2149 Winston Park Drive
 OAKVILLE ON L6H 6J8
 CANADA
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C₉H₈O
 Molecular Weight : 132.16 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
Cinnamaldehyde			
104-55-2	203-213-9	-	-

3. HAZARDS IDENTIFICATION

WHMIS Classification

B3 Combustible Liquid
 D2B
 E

Combustible Liquid
 Moderate eye irritant
 Skin sensitizer
 Corrosive

HMIS Classification

Health Hazard: 3
 Flammability: 2
 Physical hazards: 0

Potential Health Effects

Inhalation : May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
 Skin : May be harmful if absorbed through skin. Causes skin burns.
 Eyes : Causes eye burns.
 Ingestion : May be harmful if swallowed. Causes burns.

4. FIRST AID MEASURES

Aldrich - W228613 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 1 of 5

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Continue rinsing eyes during transport to hospital. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : 71 °C (160 °F) - closed cup
 Ignition temperature : no data available

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
 Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Aldrich - W228613 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 2 of 5

Hand protection

Handle with gloves.

Eye protection

Tightly fitting safety goggles. Faceshield (8-inch minimum).

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
 Colour : yellow

Safety data

pH : no data available
 Melting point : -7.5 °C (18.5 °F)
 Boiling point : 248 °C (478 °F) - lit.
 Flash point : 71 °C (160 °F) - closed cup
 Ignition temperature : no data available
 Lower explosion limit : no data available
 Upper explosion limit : no data available
 Density : 1.05 g/mL at 25 °C (77 °F)
 Water solubility : no data available
 Relative vapour density : 4.56
 - (Air = 1.0)
 4.56
 - (Air = 1.0)

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents, Strong bases

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - rat - 2,220 mg/kg
 Remarks: Behavioral:Somnolence (general depressed activity). Diarrhoea

Aldrich - W228613 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 3 of 5

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Aldrich - W228613 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 4 of 5

NA-Number: 1993 Class: CBL Packing group: III
 Proper shipping name: Combustible liquid, n.o.s. (Cinnamaldehyde)
 Marine pollutant: No
 Poison Inhalation Hazard: No

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

DSL Status

All components of this product are on the Canadian DSL list.

WHMIS Classification

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 D2B
 E

Combustible Liquid
 Moderate eye irritant
 Skin sensitizer
 Corrosive

16. OTHER INFORMATION

Further information

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Aldrich - W228613 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 5 of 5