

# MATERIAL SAFETY DATA SHEET

Date Printed:  
Date Updated:

## 1. Product /Company Identification

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Product Name: **ALDEHYDE C-18**

Manufacturer:

Phone:  
Fax:  
Emergency:

## 2. Composition/Information on Ingredient

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Synonyms: gamma-Nonalactone, Coconut Aldehyde, Prunolide  
CAS Number: 104-61-0  
FEMA: 2781  
Molecular Formula:  $C_9H_{16}O_2$  Molecular Weight: 156.23

## 3. Hazards Identification

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**Harmful by inhalation** and if swallowed.  
Irritant. Irritating to eyes, respiratory system and skin.

Emergency Overview

Caution: Avoid contact and inhalation

	<u>HMIS</u>	<u>NFPA</u>
Health	1	1
Flammability	1	1
Reactivity	0	0

## 4. First Aid Measures

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Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure: If inhaled, move to fresh air. If not breathing give artificial respiration. IF breathing is difficult, give oxygen.

Skin Exposure: In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Call a physician.

## 5. Fire Fighting Measures

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Flammable Hazards:	<b>NO</b>
Flash Point:	113°C (235°F)
Extinguishing Material:	Water Spray Carbon Dioxide Dry Chemical Powder Foam
Protective Equipment:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Fire Fighting Hazards: Emits toxic fumes under fire conditions.

## 6. Accidental Release Measures

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Personal Protection:	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust. Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Clean up Methods:	Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after clean up is complete.

## 7. Handling and Storage Procedures

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Handling:	Do not breathe vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.
Storage:	Keep container tightly closed.

## 8. Exposure Controls/ PPE

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Respiratory:	At a minimum, workers should wear a NIOSH-approved full-face air-purifying respirator.
Eyes:	Chemical Safety goggle.
Skin:	Protective gloves.
Ventilation:	Mechanical exhaust required.

General Hygiene Measures: Wash contaminated clothing before reuse. Wash thoroughly after handling.

## 9. Physical/Chemical Properties

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Appearance:	Colorless to pale yellow liquid
Odor:	Strong, fruity odor suggestive of coconut
Boiling Point:	121-122° C
Melting Point:	N/ A
Flash Point:	113°C (235° F)
Vapor Density:	N/A
Specific Gravity:	0.976
Refractive Index:	1.447

## 10. Stability and Reactivity

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Stability:	Stable
Materials to Avoid:	Strong oxidizing agents, strong bases
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide.
Hazardous Polymerization:	Will not occur

## 11. Toxicological Information

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Exposure Effects:	
Skin Contact:	Causes skin irritation.
Skin Absorption:	May be harmful if absorbed through skin.
Eye Contact:	Causes eye irritation.
Inhalation:	May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.
Ingestion:	May be harmful if swallowed.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## 12. Ecological Information

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No Data Available.

## 13. Disposal Considerations

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Disposal:	This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Dispose of in accordance with local, state, and federal regulations.
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## 14. Transportation Information

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Ground (DOT) & Air (IATA)  
Proper shipping Name: None.

This material is Non-hazardous.

## **15. Regulatory Information**

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S: 24/25

Safety Statements: Avoid contact with skin and eyes.

US Classifications:

Safety Statements: Avoid contact and inhalation.

United States Regulatory Information

SARA Listed: No

TSCA Inventory Item: Yes

Canada:

DSL: Yes

NDSL: No

## **16. Additional Information**

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expert PDF  
Trial