

MATERIAL SAFETY DATA SHEET

Date Printed:
Date Updated:

1. Product /Company Identification

Product Name: **ALDEHYDE C-18**

Manufacturer:

Phone:
Fax:
Emergency:

2. Composition/Information on Ingredient

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

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

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

Flammable Hazards:	NO
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

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

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

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

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

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

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

No Data Available.

13. Disposal Considerations

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

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

This material is Non-hazardous.

15. Regulatory Information

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

expert PDF
Trial