

MATERIAL SAFETY DATA SHEET

Date Printed:
Date Updated:

1. Product /Company Identification

Product Name: **ALDEHYDE C-14**

Manufacturer:

Phone:
Fax:
Emergency:

2. Composition/Information on Ingredient

Synonyms: Gamma Undecalactone, Peach Aldehyde
CAS Number: 104-67-6
FEMA: 3091
Molecular Formula: $C_{11}H_{20}O_2$ Molecular Weight: 184.28

3. Hazards Identification

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

	<u>HMIS</u>	<u>NFPA</u>
Health	2	2
Flammability	1	1
Reactivity	0	0

4. First Aid Measure

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

5. Fire Fighting Measures

Flammable Hazards:	NO
Flash Point:	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.
Exposure Hazards:	Emits toxic fumes under fire conditions.

6. Accidental Release Measures

Personal Protection:	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. Keep away from heat and open flame. Store in a cool, dry place.

8. Exposure Controls/ PPE

Respiratory:	At a minimum, workers should wear a NIOSH-approved full-face air-purifying respirator.
Eyes:	Chemical Safety goggles
Skin:	Chemical resistant 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:	Peach like odor
Boiling Point:	164-166° C
Melting Point:	N/ A
Flash Point:	113°C (235° F)
Vapor Density:	N/A
Specific Gravity:	0.949

Refractive Index: 1.45

10. Stability and Reactivity

Stability: Stable
Materials to Avoid: Strong oxidizing agents
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: Dissolve or mix this material with a combustible solid and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of in accordance with local, state, and federal regulations.

14. Transportation Information

Ground (DOT) & Air (IATA)
Proper Shipping Name: None.
Non-hazardous substance.

15. Regulatory Information

EU Classifications:
Symbol of Danger: Xi
Indication of Danger: Irritant
R: 36/37/38
Risk Statements: Irritating to eyes, respiratory system and skin
S: 26 36/37
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection.

US Classifications:

Indication of Danger: Irritant.

Risk Statements: Irritating to eyes, respiratory system and skin

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection.

United States Regulatory Information

SARA Listed: No

TSCA Inventory Item: Yes

Canada:

DSL: Yes

NDSL: No

16. Additional Information

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Trial