

Material Safety Data Sheet (MSDS)

Salicylaldehyde

CAS Number: 90-02-8

Prepared by: Triveni Chemicals

Revision Date: 25-June-2025

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name: Salicylaldehyde


Synonyms: 2-Hydroxybenzaldehyde

Recommended Use: Fragrance ingredient, pharmaceutical intermediate, laboratory chemical


Supplier:

Triveni Chemicals

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SECTION 2: Hazards Identification

GHS Classification:

- Acute toxicity, oral (Category 4), H302
- Eye irritation (Category 2A), H319
- Skin irritation (Category 2), H315

Signal Word: *Warning*

Hazard Statements:

- H302: Harmful if swallowed
- H315: Causes skin irritation
- H319: Causes serious eye irritation

Precautionary Statements:

- P264: Wash thoroughly after handling
- P270: Do not eat, drink or smoke when using this product
- P280: Wear protective gloves/eye protection
- P301+P312: IF SWALLOWED: Call a doctor/poison center if you feel unwell
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do — continue rinsing
- P337+P313: If eye irritation persists: Get medical advice/attention

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Content
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Salicylaldehyde	90-02-8	≥99%
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SECTION 4: First-Aid Measures

- **Inhalation:** Remove to fresh air. Seek medical attention if symptoms develop.
- **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical advice if irritation develops.
- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if unwell.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media: Dry chemical, carbon dioxide, foam

Specific Hazards: May emit toxic fumes of carbon oxides under fire conditions

Protective Equipment: Wear SCBA and full protective clothing

SECTION 6: Accidental Release Measures

Personal Precautions: Wear protective gloves, goggles, and protective clothing. Ensure good ventilation.

Environmental Precautions: Prevent entry into drains or waterways

Cleanup Methods: Absorb on inert material (e.g. sand), place in a suitable container for disposal according to local regulations

SECTION 7: Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing. Use in a well-ventilated area.

Storage: Store tightly closed in a cool, dry, well-ventilated place away from ignition sources

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits: Not established

Engineering Controls: General ventilation recommended

Personal Protective Equipment (PPE):

- Protective gloves
- Safety goggles
- Protective clothing

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	Solid
Odor	Not determined
Boiling Point	196 °C
Melting Point	-8 °C
Flash Point	77 °C (closed cup)
Autoignition Temperature	Not available
Density	Not determine
Solubility	Chloroform, Ethyle acetate

SECTION 10: Stability and Reactivity

Stability: Stable under recommended storage conditions

Incompatibility: Strong oxidizing agents

Decomposition Products: Carbon monoxide, carbon dioxide

Reactivity: No hazardous polymerization known

SECTION 11: Toxicological Information

- **Oral LD₅₀ (Rat):** ~510 mg/kg
- **Skin Effects:** May cause irritation
- **Eye Effects:** Causes serious irritation
- **Respiratory Effects:** May cause mild irritation if inhaled

SECTION 12: Ecological Information

- **Biodegradability:** Expected to be readily biodegradable
- **Aquatic Toxicity:** Low to moderate hazard
- **Bioaccumulation:** Low potential

SECTION 13: Disposal Considerations

Dispose of product and container in accordance with local, regional, and national regulations. Avoid release to the environment.

SECTION 14: Transport Information

- **UN Number:** Not regulated
- **Proper Shipping Name:** Salicylaldehyde
- **Hazard Class:** Not applicable
- **Packing Group:** Not applicable

SECTION 15: Regulatory Information

- TSCA listed (US)
- Complies with MSIHC Rules (India)
- Not listed under REACH SVHC

SECTION 16: Other Information

Prepared By: Triveni Chemicals, Regulatory Affairs Department

Disclaimer:

The information above is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under their actual conditions of use. **Triveni Chemicals** disclaims any liability for damage resulting from handling or contact.