

CHEMICAL WITHOUT BORDERS-POWERED BY INDIA

CIN No.: U24100GJ2010PTC060594 GST No.: 24AADCT5202F1ZU

MSME No: UDYAM-GJ-25-0009026

ISO 9001:2015 | QMS/NAB-C21601/1645

# Material Safety Data Sheet (MSDS)

# 2,6-Dimethylpyrazine

Revision Date: 27-September-2025

Version: 1.0

#### Section 1: Product Identification

• Product Name: 2,6-Dimethylpyrazine

• Chemical Formula: C6H8N2

• CAS No: 108-50-9

• Synonyms: Pyrazine, 2,6-dimethyl-

• **Recommended Use** Used as a flavoring agent, fragrance ingredient, and intermediate in organic synthesis.

#### Section 2: Hazards Identification

- Classification (GHS): Skin Irritant, Eye Irritant.
- Signal Word: Warning
- Hazard Statements:
  - Causes skin irritation
  - Causes eye irritation



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- Precautionary Statements:
  - Avoid contact with skin and eyes
  - Wear protective gloves and eye protection
  - Wash hands thoroughly after handling

# Section 3: Composition / Information on Ingredients

• Concentration: 95%

#### Section 4: First Aid Measures

- Inhalation: Move to fresh air. If symptoms occur, seek medical attention.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation persists.
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical attention if irritation persists.
- Ingestion: Rinse mouth. Do not induce vomiting. Seek immediate medical advice.

# Section 5: Fire-Fighting Measures

- Suitable Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide (CO2).
- Specific Hazards: Emits toxic fumes of carbon oxides under fire conditions.

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• **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

#### Section 6: Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment. Avoid inhalation and skin/eye contact. Ensure adequate ventilation.
- Environmental Precautions: Prevent entry into drains and waterways.
- Cleanup Methods: Absorb with inert material (sand, earth). Collect in suitable container for proper disposal.

# Section 7: Handling and Storage

- Handling: Avoid inhalation of vapors and contact with skin/eyes. Use in well-ventilated areas.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place. Protect from heat and light.

# Section 8: Exposure Controls / Personal Protection

- Exposure Limits: Not specifically established for 2,6-Dimethylpyrazine.
- Engineering Controls: Ensure adequate ventilation and local exhaust systems.

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• **Personal Protective Equipment:** Gloves, protective goggles, lab coat, respirator if exposure limits are exceeded.

#### Section 9: Physical and Chemical Properties

- Appearance: Colorless to pale yellow liquid or crystalline solid (depending on purity)
- Odor: Nutty, roasted, coffee-like odor
- **Boiling Point:** 155 156 °C
- Flash Point: 53 °C (closed cup)
- Solubility: Slightly soluble in water, soluble in ethanol and organic solvents
- Molecular Weight: 108.14 g/mol

# Section 10: Stability and Reactivity

- Stability: Stable under normal conditions.
- Incompatible Materials: Strong oxidizing agents, strong acids and bases.
- Hazardous Decomposition Products: Carbon oxides under fire conditions.

# Section 11: Toxicological Information

- Routes of Exposure: Inhalation, ingestion, skin and eye contact.
- Acute Effects: Causes skin and eye irritation. May cause respiratory irritation.

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• Chronic Effects: Prolonged exposure may cause dermatitis and systemic effects.

### Section 12: Ecological Information

- **Ecotoxicity:** Not classified as environmentally hazardous, but large releases may be harmful to aquatic organisms.
- Persistence and Degradability: Expected to be biodegradable under normal conditions.
- Bioaccumulative Potential: Low to moderate potential for bioaccumulation.

### Section 13: Disposal Considerations

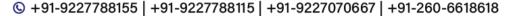
• Dispose of contents/container in accordance with local/regional/national regulations. Do not release into the environment.

# Section 14: Transport Information

• UN Number: UN 1325

• Proper Shipping Name: 2,6-Dimethylpyrazine

Hazard Class: 4.1Packing Group: ||



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### Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and listed under international chemical inventories (TSCA, EINECS, etc.).
- Classified as hazardous substance as per GHS.

#### Section 16: Other Information

Disclaimer: The above information is believed to be correct but does not claim to be
exhaustive. Users are responsible for verifying suitability under actual conditions of use.
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