

## Material Safety Data Sheet (MSDS)

### Molasses

**Revision Date:** 23-September-2025

**Version:** 1.0

### Section 1: Product Identification

- **Product Name:** Molasses
- **Chemical Formula:** Mixture
- **CAS No:** N/A
- **Synonyms:** Cane molasses; Beet molasses
- **Recommended Use** Food ingredient, fermentation substrate, feed additive, industrial applications.

### Section 2: Hazards Identification

- **Classification (GHS):** Not classified as hazardous under GHS.
- **Signal Word:** None
- **Hazard Statements:**

+91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

info@triveniinterchem.com | info@trivenichemical.com

www.triveniinterchem.com | www.trivenichemical.com

135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



www.chemicalbull.com

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- May cause mild eye or skin irritation on prolonged contact
- May cause discomfort if ingested in large amounts
- **Precautionary Statements:**
  - Wash thoroughly after handling
  - Avoid prolonged contact with eyes and skin
  - If In Eyes: Rinse with water if irritation occurs

## Section 3: Composition / Information on Ingredients

- **Concentration:** Natural mixture of sucrose, glucose, fructose, water, minerals, and organic compounds

## Section 4: First Aid Measures

- **Inhalation:** Not expected to be hazardous; move to fresh air if discomfort occurs.
- **Skin Contact:** Wash with water if sticky residue causes irritation.
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical attention if irritation persists.
- **Ingestion:** Non-toxic; ingestion of large amounts may cause gastrointestinal discomfort. Seek medical advice if needed.

## Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, carbon dioxide.
- **Specific Hazards:** Combustible at high temperatures; may produce carbon oxides when burned.
- **Protective Equipment:** Firefighters should wear standard protective clothing and breathing apparatus if large amounts are burning.

## Section 6: Accidental Release Measures

- **Personal Precautions:** Use caution, surfaces may become slippery.
- **Environmental Precautions:** Prevent large spills from entering waterways to avoid oxygen depletion.
- **Cleanup Methods:** Wash away with water or absorb with inert material and dispose according to regulations.

## Section 7: Handling and Storage

- **Handling:** Handle with standard food hygiene practices. Avoid prolonged skin contact.
- **Storage:** Store in tightly closed containers in a cool, dry place. Protect from microbial contamination.

## Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** Not established.
- **Engineering Controls:** Normal room ventilation is adequate.
- **Personal Protective Equipment:** Gloves and safety glasses recommended for industrial handling.

## Section 9: Physical and Chemical Properties

- **Appearance:** Thick, dark brown viscous liquid
- **Odor:** Sweet, characteristic odor
- **Boiling Point:** >100 °C (due to water content)
- **Flash Point:** Not applicable
- **Solubility:** Completely soluble in water
- **Molecular Weight:** Not applicable (mixture)

## Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides under fire conditions.

## Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin and eye contact.
- **Acute Effects:** Generally recognized as safe; large ingestion may cause gastrointestinal upset.
- **Chronic Effects:** No known significant effects.

## Section 12: Ecological Information

- **Ecotoxicity:** Not expected to be harmful; large releases may cause oxygen depletion in water.
- **Persistence and Degradability:** Biodegradable.
- **Bioaccumulative Potential:** Not expected.

## Section 13: Disposal Considerations

- Dispose of contents/container in accordance with local/regional/national regulations. Non-hazardous waste.

## Section 14: Transport Information

- **UN Number:** Not regulated

- **Proper Shipping Name:** Molasses
- **Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable

## 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. **Triveni chemicals** disclaims any liability for damage resulting from handling or contact.