

## Material Safety Data Sheet (MSDS)

### Yeast Extract

Revision Date: 21-September-2025

Version: 1.0

### Section 1: Product Identification

- **Product Name:** Yeast Extract
- **Chemical Formula:**
- **CAS No:** 8013-01-2
- **Synonyms:** Baker's yeast extract
- **Recommended Use:** natural flavor enhancer and seasoning to provide a savory, umami taste to a wide variety of foods, including soups, sauces, snacks, and ready meals.

### Section 2: HAZARDS IDENTIFICATION

- **Classification:** Not classified as hazardous under GHS criteria.
- **Physical Hazards:** None identified.
- **Health Hazards:** May cause mild irritation if inhaled or in contact with eyes. Not expected to be toxic.
- **Environmental Hazards:** Not considered hazardous to the environment.

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- **Label Elements:** No symbol required.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

- **Substance:** Yeast Extract
- **CAS Number:** 8013-01-2
- **EC Number:** 232-387-9
- **Composition:** 100% Yeast extract, complex mixture of peptides, amino acids, nucleotides, vitamins, and carbohydrates.

## Section 4: FIRST AID MEASURES

- **Inhalation:** Move person to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water. Seek medical advice if irritation occurs.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth with water. If discomfort persists, seek medical advice.

## Section 5: FIRE FIGHTING MEASURES

- **Suitable Extinguishing Media:** Water spray, dry chemical, carbon dioxide, or foam.
- **Specific Hazards:** Organic powder; may form combustible dust clouds in air.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

## Section 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Avoid dust formation. Use protective equipment.
- **Environmental Precautions:** Avoid release into sewers or waterways.
- **Methods for Cleaning:** Sweep or vacuum spillage. Avoid creating dust. Dispose of in accordance with local regulations.

## Section 7: HANDLING AND STORAGE

- **Handling:** Avoid dust generation. Ensure proper ventilation. Wear appropriate PPE.
- **Storage:** Store in a cool, dry, and well-ventilated place. Keep container tightly closed. Protect from moisture and direct sunlight.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Exposure Limits:** Not established for yeast extract.
- **Engineering Controls:** Provide adequate ventilation.
- **Personal Protective Equipment:**
  - **Respiratory Protection:** Dust mask if ventilation is inadequate.
  - **Eye Protection:** Safety glasses.
  - **Skin Protection:** Gloves and protective clothing.
  - **Hygiene Measures:** Wash hands after handling.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Light yellow to brown powder
- **Odor:** Characteristic yeast-like
- **pH :** 4.5 - 6.5
- **Solubility:** Soluble in water
- **Melting Point:** Not applicable (complex mixture)
- **Flash Point:** Not applicable

## Section 10: STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions of use and storage.
- **Conditions to Avoid:** Excessive heat, moisture, and dust formation.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides and nitrogen oxides may form on combustion.

## Section 11: TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** Not expected to be toxic.
- **Skin Corrosion/Irritation:** May cause mild irritation.
- **Eye Damage/Irritation:** May cause mild irritation.
- **Respiratory Effects:** Dust may cause irritation of respiratory tract.
- **Sensitization:** Not expected to cause sensitization.
- **Carcinogenicity/Mutagenicity:** No evidence of carcinogenic or mutagenic effects.

## Section 12: ECOLOGICAL INFORMATION

- **Ecotoxicity:** Not expected to be hazardous to the environment.
- **Persistence and Degradability:** Biodegradable.
- **Bioaccumulation:** Not expected to bioaccumulate.
- **Mobility in Soil:** Water soluble, expected to have high mobility.

## Section 13: DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with local, regional, and national regulations. Avoid release into the environment.

## Section 14: TRANSPORT INFORMATION

- **UN Number:** Not applicable
- **Proper Shipping Name:** Not regulated
- **Hazard Class:** Not applicable
- **Packing Group:** Not applicable
- **Transport Note:** Not classified as dangerous goods for transport.

## Section 15: Regulatory Information

- This product is not classified as hazardous according to Indian, UN GHS, or international chemical regulations.

Complies with FSSAI guidelines for food-grade yeast extract.

## 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.