



TECHNICAL DATA SHEET

Product Name: Zinc Benzoate

Chemical Name: Zinc Benzoate

CAS No.: 553-72-0

EINECS No.: 209-047-3

Molecular Formula: C₁₄H₁₀O₄Zn

Molecular Weight: 307.61

Product Type: Zinc Salt / Specialty Chemical

Product Description

Zinc Benzoate is a zinc salt of benzoic acid used in specialty chemical, industrial, and formulation applications. It is typically supplied as a white crystalline powder with good thermal stability and compatibility in suitable systems. The product may be used as a zinc source, reaction intermediate, catalyst component, or functional additive depending on application requirements.

Specifications

Index	Specification
Appearance	White crystalline powder
Moisture ≤%	1.5
Content of Zinc %	21.0-21.7
Heavy metals as Pb ≤ppm	10
Lead (Pb) ≤ppm	2

Raw Materials

- Benzoic Acid
- Zinc Oxide or Zinc Salt Source
- Purified Water

Manufacturing Process

Typically produced through neutralization or reaction of benzoic acid with zinc compounds, followed by purification, filtration, drying, and milling.

Functional Properties



- Good chemical stability
- Zinc ion source
- Good compatibility in suitable formulations
- Low impurity profile
- Good handling properties

Applications

Chemical Industry

- Reaction intermediate
- Catalyst systems
- Specialty additive

Polymer and Materials

- Stabilizer systems
- Functional additive applications

Other Industrial Uses

- Zinc source in specialty formulations
- Process chemical applications

Application Benefits

- Provides stable zinc source
- Supports formulation functionality
- Improves process consistency
- Suitable for specialty chemical applications

Storage

Store in a cool, dry, well-ventilated place. Keep container tightly closed.

Protect from moisture.

Shelf Life

24 months under recommended storage conditions.

Packaging

- 25 kg kraft paper bag
- 25 kg fiber drum
- Customized packaging available

Compliance Reference

May comply with applicable industrial or customer-specific standards depending on grade.