

SPECIFICATION

Product Name: Zinc Oxide Dross
Chemical Formula: ZnO
CAS Number: 69011-50-3
Molecular Weight: 81.39 g/mol
Appearance: White powder.
Odor: Odorless.

Chemical Composition

Parameter	Unit	Specification (Min/Max)
Zinc oxide content	%	Min. 99%
Volatile Loss	%	Max. 0.20%
Loss on Ignition	%	Max. 0.35%
Lead Content as Pb	PPM	Max. 1000 PPM
Cadmium Content	PPM	Max. 250 PPM
Copper Content	PPM	Max. 20 PPM
Manganese	PPM	Max. 20 PPM
Residue on 325 Mesh	%	Max. 0.10%

Physical Properties

- Solubility: Insoluble in water. Insoluble in ethanol. Soluble, with formation of zinc salts in Dilute acids. Soluble, forming zincate compounds in strong alkalis.

Shelf Life & Storage

- Shelf Life: 2-5 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed container or sealed bags in a cool, dry, and well-ventilated area. Protect from moisture, rain, direct sunlight, and contamination. Avoid contact with strong acids and oxidizing agents. Keep the material off the floor on pallets and ensure containers remain properly labeled and sealed when not in use to maintain product quality and prevent agglomeration.

Applications

- Use: Used as a raw material for zinc recovery and zinc compound production. It is utilized in the manufacture of zinc salts, zinc oxide, fertilizers, chemicals, ceramics, rubber products, paints, and coatings. In metallurgical industries, it serves as a source of zinc for recycling and reprocessing operations, helping recover valuable metal from industrial by-products.
- Dosage: Depends on the manufacturing process, zinc content, desired product specifications, and process requirements. Appropriate usage levels should be determined through process optimization and quality control procedures.

Packaging

- Standard Packing: 25 kg HDPE bags with inner liner or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.