



## TECHNICAL DATA SHEET ZINC OXIDE – FIRST QUALITY 997

|                                |                                   |   |
|--------------------------------|-----------------------------------|---|
| <b>CAS NUMBER</b><br>1314-13-2 | <b>EINECS NUMBER</b><br>215-222-5 | <b>REACH REGISTRATION NUMBER</b><br>01-2119463881-32-0067 |
|--------------------------------|-----------------------------------|---|

### **FABRICATION PROCESS**

Zinc Oxide produced by Mer Invest Industries S.R.L. is obtained in the Indirect Process (French Process), from the raw materials based on zinc metallic.

### **FIZICAL AND CHEMICAL CHARACTERISTICS**

|                                      |                    |           |
|--------------------------------------|--------------------|-----------|
| Aspect                               | fine, white powder |           |
| Zinc Oxide (ZnO)                     | % min              | 99,7      |
| Lead Oxide (PbO)                     | % max              | 0,1       |
| Cadmium (Cd)                         | % max              | 0,01      |
| Moisture (H <sub>2</sub> O) la 105°C | %                  | 0,1 – 0,3 |
| Iron Oxide (in Fe)                   | % max              | 0,01      |
| Copper Oxide (in Cu)                 | % max              | 0,001     |
| Sieve Reject 45µ                     | % max              | 0,1       |
| Sieve Reject 250µ                    | % max              | 0,01      |
| Loss at 825 °C                       | % max              | 1,0       |
| Apparent Density                     | g/ cm <sup>3</sup> | 0,7-1,3   |
| Whiteness Degree                     | % min              | 92,5      |
| Specific Surface Area (BET)          | m <sup>2</sup> /g  | 3,5 - 6,5 |

### **APPLICATIONS**

Industry of rubber, ceramics, paints, plastics, polymers, electronics, forage additives, fertilizers, catalyzers, lubricants and lubricant additives, intermediate compounds, corrosion inhibitors, chemical laboratory products, semiconductors.

### **PACKAGING METHOD**

Paper bag 25 kg/net; Big bag 500 kg/net; Big bag 1000 kg/net  
Plastic pallet; Wooden Euro-pallet

### **TRANSPORT**

ADR, Class 9, hazardous material, solid, UN 3077.

### **STORAGE**

To be stored in dry places, under consideration of the indications in the Safety Data Sheet.

### **GUARANTEE**

Up to 12 months from the delivery date.

### **VALABILITY**

Up to 24 months from the production date.

### **CLASSIFICATION**

According CLP/GHS - warning GHS09

**Signal word:** warning

Acutely dangerous for waters - category 1

Chronically dangerous for waters – category 1

### **Danger icon:**



#### **Hazard warnings:**

**H400** Very toxic to aquatic life.

**H410** Very toxic to aquatic life with long lasting effects.

#### **Safety warnings:**

**P273** Avoid release to the environment.

**P391** Collect spillage.

**P501** Dispose of content/container as hazardous or special waste in accordance with local/international law.