



Product characteristics mentioned below are typical and minor variations, which do not affect product performance are to be expected in normal production. The information is believed to be correct at the time of publication. The information contained herein are based on the grade's past history and is not a guarantee of performance. No warranty expressed or implied is given on the accuracy of the information or suitability of the products. Seller reserves the right to modify and change specifications without prior notice. Always follow HAZMAT recommendations of respective national authorities where the products are being handled and stored.

## **PRODUCT: Magnesium Oxide (MgO)**

### **PRODUCT DATA SHEET**

**APPLICATION:** Food grade MgO is mainly used in food additives, colour stabilizing agent, PH regulator etc. Medical grade MgO mainly used in the field of biological pharmacy as antacids, adsorbent, desulfurizer, de-leading reagent, complexing filter aid, PH regulator, disease treatment etc. Besides other industrial use wherein high purity MgO is moderately reactive and uniformly burned to provide a higher recovery of valuable metals from ore extraction such as cobalt, nickel and copper from acid leach solutions.

**SYNONYMS:** Magnesia

**PACKAGING:** In 25/50/1000/1250 Kg moisture-proof PP / HDPE / Jumbo Bags.

**SPECIFICATIONS** Meets European, American & GB 1886.216-2016 standards

**Appearance** Pinkish White or White

**powder/granular**

**Molecular Weight** 40.305

**Purity (MgO)** Min 95%

**Calcium Oxide (CaO)** Max 2.0%

**Aluminium Oxide (Al<sub>2</sub>O<sub>3</sub>)** Max 0.2%

**Iron Oxide (Fe<sub>2</sub>O<sub>3</sub>)** Max 0.6%

**Silica (SiO<sub>2</sub>)** Max 0.6%

Reactivity (Citric Acid Test) 14-20 sec

Loss on ignition (LOI) 1 -3%

Mesh Size 200 Mesh Powder

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**PRODUCT: Sulphur Granular, Lump, Powder**

**PRODUCT DATA SHEET**

sulphur is one of the most important agro - industrial raw materials. Today, most elemental sulphur is obtained as a by-product recovered from Oil & Gas production in the sweetening process and considered a strategic product.

**APPLICATION:** Major derivative is sulphuric acid (H<sub>2</sub>SO<sub>4</sub>). Sulphur is also directly or indirectly used in batteries, solvents, detergents, fungicides, and vulcanisation of rubber. Further, utilised in the manufacturing of phosphate fertilizers, synthetic fibres, cosmetics, gun power, matches and in a host of other products of chemical, pharmaceutical and manufacturing industries.

**PACKAGING:** Offered in 1000/1250 Kg moisture-proof Jumbo Bags and Bulk.

Mass fraction of sulphur 99.80% (Min) 99.80 % (Min)

Organic Ash weight 0.07 % (Max) 0.04 % (Max)

Inorganic Ash weight 0.03 % (Max) 0.01 % (Max)

Moisture weight 0.50 % (Max) 0.50 % (Max)

Mechanical impurities Absent

Colour Bright Yellow

2-11 mm=95% [3-6 mm = 80% / 1-3 mm = 5%

Angle of Repose = 33° Density (Kg/m<sup>3</sup>) = 1150 (Min)

**PRODUCT: Sulphuric Acid (H<sub>2</sub>SO<sub>4</sub>)**

**PRODUCT DATA SHEET**

A mineral acid composed of the elements sulphur, oxygen and hydrogen. It is a colourless, odourless, and viscous liquid that is soluble in water and is synthesized in reactions that are highly exothermic. Its corrosiveness is due to its strong acidic nature and at high concentrations, its dehydrating & oxidizing properties. It is also hygroscopic, readily absorbing water vapor from the air.

APPLICATION: It is a colourless oily liquid which is soluble in water with release of heat. It is corrosive to metals and tissue. It will char wood and most other organic matter on contact but is unlikely to cause a fire. Primarily used in production of fertilizers, dyes and other chemicals for industrial explosives, petroleum refining, etching in iron and steel production, leaching in metal mining for copper, zinc, nickel & cobalt minerals. It also finds itself applicable across industries like pharma, water treatment, cleaning, agriculture, food & animal nutrition, coatings & construction, cosmetics, polymers, rubber etc.

**SYNONYMS:** Hydrogen Sulphate, Vitriol Brown Oil, Dipping Acid, Battery Acid, sulphuric Acid 66BE etc.

**PACKAGING:** Offered in IBC tanks and Drums.

**STORAGE AND HANDLING RECOMMENDATIONS:**

Do not store near combustible materials or store in direct sunlight. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep and store away from metals, alkalies and organic materials. Inspect periodically for damage or evidence of leaks or corrosion.