

Production of Zinc Oxide from Zinc Dross

Description:

Production of Zinc Oxide from Zinc Dross. Profitable Project Opportunities in Inorganic Compound Sector

Zinc oxide is water insoluble compound, but soluble in acid and bases. It has wide application in industry such as rubber, ceramics/glass, paint/coatings industry, cosmetics industry and the pharmaceutical industry. Zinc oxide has a widespread use in cosmetic products. Zinc oxide is used primarily in cosmetics and personal care products including makeup, baby lotions, bath soaps, nail products, and powders and others. Besides its authorized use as a cosmetic zinc oxide is applied as bulking agent and skin protecting UV absorber. In sunscreens zinc oxide is used at concentrations up to 25%. Zn²⁺ is generally considered a non-toxic metal. It is an essential nutrient present virtually in every cell. It must be consumed in the diet and absorbed to maintain human health and it does not appear to accumulate with age, etc. Owing to its wide usage in various cosmetics products such as sunscreen, talcum powder, cold cream face powder, depilatories and others is supporting zinc oxide demand in cosmetics industry.

Zinc oxide (ZnO) is an inorganic and insoluble compound that is mainly used as an additive in various products such as rubber, ceramics, paints, lubricants, foods, batteries, plastics, first-aid tapes, antiseptic creams, cosmetic creams, and medical substances. One of the major applications of zinc oxide is its usage in creams, ointments, and lotions to protect human skin against sunburn and harmful UV rays. Zinc oxide also finds application in treatment of a number of skin conditions and is widely used in products such as anti-dandruff shampoos, calamine creams, anti-septic ointments, baby care powder, and barrier creams for treating diaper rashes. Owing to the high refractive index, antibacterial properties, UV protection properties, and high thermal conductivity, zinc oxide has a vast application in personal and cosmetics industry.

Zinc oxide is an inorganic chemical compound used as an additive for different industrial and commercial applications. It is mainly used in the rubber industry as an activator for vulcanization of sulfur. One of the major consumers of zinc oxide is the tyre industry. The growing demand for automobiles and innovations in the tyre industry has contributed to the growth of zinc oxide market. Cosmetic zinc oxide is applied as skin protecting UV absorber and bulking agent. In sunscreen lotions, zinc oxide is used at concentrations up to 25%. Zinc oxide must be absorbed in diet for maintaining human health.

For more details download PDF file.

Keywords: Production of Zinc Oxide, Zinc Oxide Production, Manufacturing of Zinc Oxide, Process for Preparation of Zinc Oxide, Manufacture of Zinc Oxide, Zinc Oxide Plant, Zinc Oxide for Rubber Industry, Process for Manufacture of Zinc Oxide Using Zinc Dross, Production of Zinc Oxide from Zinc Dross, Zinc Oxide in Rubber Industry, Zinc Oxide from Zinc Dross, Zinc Oxide Manufacturing Process in India, Zinc Oxide Project Report, Zinc Oxide Manufacturing Industry, Zinc Oxide Manufacturing Project Report, Zin

Created At: 03 Jul, 2018