

# Download Zinc Oxide Ph Solubility

ZINC oxide | ZnO or OZn | CID 14806 - structure, chemical names, physical and chemical properties, classification, patents, literature, biological activities, safety ...Zinc oxide is an inorganic compound with the formula Zn O.ZnO is a white powder that is insoluble in water, and it is widely used as an additive in numerous materials and products including rubbers, plastics, ceramics, glass, cement, lubricants, paints, ointments, adhesives, sealants, pigments, foods, batteries, ferrites, fire retardants, and first-aid tapes.Zinc Oxide (also called Zinc White) is an amorphous white or yellowish powder, insoluble in water and alcohol but soluble in acid and alkali. Zinc oxide particles may be spherical, acicular or nodular depending on the manufacturing process. The particle shape is important for maximizing physical properties.From the solubility product,  $K_{sp}$ , for zinc hydroxide  $Zn(OH)_2$ , and the pH value of the water, the solubility of zinc can be calculated. At room temperature, a water with pH = 7 (neutral) will have a dissolved zinc concentration,  $Zn(+2)$ , of 0.29 grams per Liter = 290 ppm (parts per million, by weight) = 0.039 oz. (wt.) per gallon.