

Production of Sulphuric Acid, Chlorosulphonic Acid

Description:

Production of Sulphuric Acid, Chlorosulphonic Acid, 23% Oleum. Business and Investment Opportunities in Chemical Industry

Sulphuric acid also known as 'oil of vitriol' having molecular formula H_2SO_4 is a highly strong corrosive mineral acid. Sulphuric acid is pungent-ethereal, colorless to slightly yellow viscous liquid soluble in water at all concentrations. During production, sulphuric acid takes dyed dark brown color to intimate people of its strong hazard effects. Sulphuric acid shows different properties with different material depending on the concentration. Having strong acidic nature, sulphuric acid can harm materials such as metals, living tissues even stones at strong concentration. Sulphuric acid at high concentration can cause serious damage to eye as it burns the cornea of the eye causing permanent blindness if splashed into the eye.

Sulfuric acid is a diprotic acid that exhibits different variety of properties depending upon its concentration. Sulphuric acid has the biggest output of any chemical in the world. Sulphuric acid is majorly used in the manufacture of chemicals to make sulfate salts, pigments, dyes, nitric acid, sulfate salts, and others. It also serves as the electrolyte in the lead acid storage battery.

Sulfuric dioxide is a strong airborne pollutant and a declared carcinogen. Known to cause severe respiratory disorders in humans, the usage of sulfuric acid has consistently decreased in the past decade owing to stringent government regulations and the future of the market for the same isn't very encouraging.

Uses:

Sulphuric acid is widely used in the production of phosphate fertilizers. Sulphuric acid is a complex market that involves the chemistry of product supply and demand. There is variation in pricing of Sulphuric acid between regions depending upon the regulations and concentrations. There are four stages in the manufacturing of sulphuric acid that includes extraction of sulphur, conversion of Sulphur into sulphur dioxide, then converting sulphur dioxide to sulphur trioxide, and final conversion of sulphur trioxide to sulphuric acid.

For more details download PDF file.

Keywords: Manufacture of Sulfuric Acid, Sulfuric Acid, Production of Sulfuric Acid, Preparation of Sulphuric Acid, Sulfuric Acid Production, Manufacturing of Sulfuric Acid, Processes of Manufacture of Sulfuric Acid, Manufacture of Sulphuric Acid by Contact Process PPT, Sulphuric Acid Manufacture, Industrial Production of Sulfuric Acid, Sulphuric Acid Plant, Sulphuric Acid Plant Process Flow Diagram, Sulfuric Acid Manufacturing, Sulfuric Acid Production Process, Sulphuric Acid Plant Including Mfg. of Chlor

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