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Solubility of sulfur dioxide, $\text{Ca}(\text{HSO}_3)_2$ solutions

Scope

This Technical Information Paper presents the solubility of SO_2 in $\text{Ca}(\text{HSO}_3)_2$ solutions as a function of SO_2 pressure, total SO_2 , and combined SO_2 .

Safety precautions

Sulfur dioxide is a toxic gas that can cause suffocation and death. Gas masks and other safety devices, as prescribed by the industrial and governmental agencies, should be available at all times when dealing with SO_2 and its various compounds. Methanol and ethanol are toxic and flammable solvents and should be similarly handled. Various chemicals that are used for testing SO_2 may be toxic and should not be inhaled or ingested.

Keywords

Solubility, Sulfur dioxide, Sulfite liquors, Hydroxides, Sulfite pulping, Bleaching, Chemical pulps, Semichemical pulps, Dissolving pulps, Lignosulfonates, Neutral sulfite pulping, Alkaline sulfite pulping, Calcium bisulfite, Calcium base liquors

Additional information

Units on graphs have been modified to meet TAPPI recommendations for SI format.

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Working Group Members:

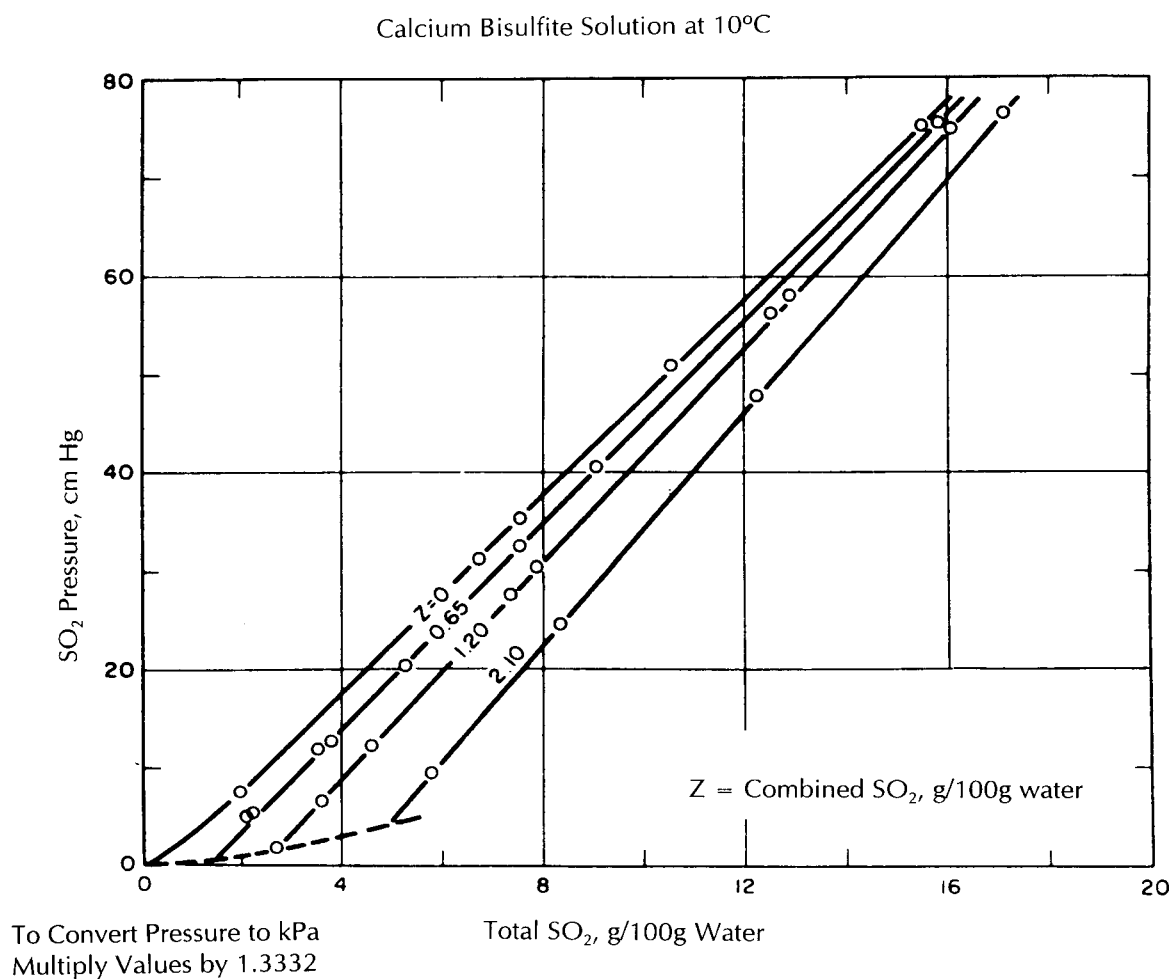
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Reference

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REFERENCE

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