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Density of chlorine gas

Scope

This technical information paper presents the density of chlorine gas as a function of temperature.

Safety precautions

Chlorine is a highly reactive and hazardous chemical element. It is heavier than air, and can be formed within various industrial processes, especially chlorine dioxide bleaching.

Chlorine (Cl_2) is primarily a respiratory irritant but it will also attack mucous membranes and the skin. In cases of extreme concentration difficulty in breathing may increase to the point where death can occur from suffocation. Chlorine should be handled with extreme care and only by persons who are thoroughly trained in chlorine handling procedures. All persons who handle chlorine must wear protective clothing and equipment which should include an escape-type respirator, safety goggles, and rubber gloves.

Keywords

Density, Chlorine, Physical properties, Pulping, Bleaching

Additional information

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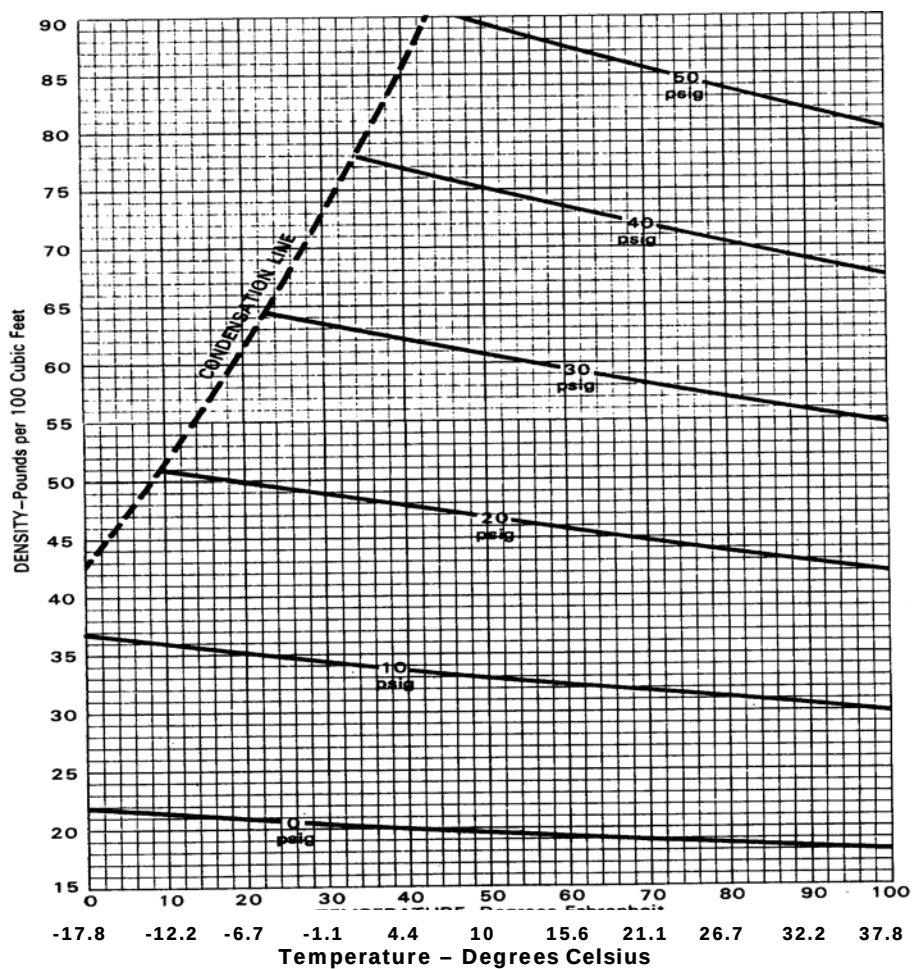
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Calculated from equation of A. S. Ross and O. Maas, Canadian Journal of Research, Vol. 18, section B, pp 55-65.



SOURCE:

PPG Industries, Chemicals Group

