Vinylidene Chloride (VDC) and Polyvinylidene Chloride (PVDC) Manufacturing Industry

Description:

Vinylidene Chloride (VDC) and Polyvinylidene Chloride (PVDC) Manufacturing Industry. Investment Opportunity for Entrepreneurs

The predominant demand for VdC / PVdC is in the food and pharmaceutical packaging sector

Vinylidene Chloride (VDC)

Vinylidene chloride, also called 1,1-dichloroethylene, a colourless, dense, toxic, volatile, flammable liquid belonging to the family of organic halogen compounds, used principally in combination with vinyl chloride, acrylonitrile, or methyl methacrylate for the manufacture of a class of plastics called saran. Vinylidene chloride is also used as a starting material for making methylchloroform, or 1, 1, 1-trichloroethane, and a solvent useful in cleaning electrical machinery.

Vinylidene chloride is used as an intermediate in chemical synthesis and to produce polyvinylidene chloride copolymers. The primary acute (short-term) effects in humans from vinylidene chloride exposure are on the central nervous system (CNS), including CNS depression and symptoms of inebriation, convulsions, spasms, and unconsciousness at high concentrations. Low-level, chronic (long-term) inhalation exposure of vinylidene chloride in humans may affect the liver. Animal studies indicate that chronic exposure to vinylidene chloride can affect the liver, kidneys, CNS and lungs. Human data are considered inadequate in providing evidence of cancer from exposure to vinylidene chloride. The most recent cancer classification for vinylidene chloride can be found on IRIS.

Uses

•Vinylidene chloride is used as an intermediate for organic chemical synthesis.

•Vinylidene chloride is also used in the production of polyvinylidene chloride copolymers. The major application of these chloride copolymers is in the production of flexible films for food packaging.

•These copolymers are also used extensively in many types of packing materials, as flame retardant coatings for fiber and carpet backing and in piping, coating for steel pipes, and adhesive applications.

For more details download PDF file.

Keywords: Vinylidene Chloride, Polyvinylidene Chloride, Polyvinylidene Chloride Production, Polyvinylidene Chloride (PVDC), Production of Vinylidene Chloride, Polyvinylidene Chloride Properties, Preparation of Vinylidene Chloride, Applications of Vinylidene Chloride, PVDC, Process for Producing Vinylidene Chloride, Chemical Compound, Manufacture of Polyvinylidene Chloride, Vinylidene Chloride (1,1-Dichloroethylene), Process for Production of Vinylidene Chloride, Vinylidene Chloride Manufacture, Production

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