

Hexamethoxymethyl Melamine (HMMM) Manufacturing Business

Description:

Hexamethoxymethyl Melamine (HMMM) Manufacturing Business. Profitable Business Ideas in Melamine Formaldehyde Resins Industry

Hexa (methoxymethyl) melamine (HMMM)-containing resins are used in the production of coatings and plastics for cans, coils, and automobiles. A previous study demonstrated that this compound was associated with acute toxic effects on daphnia. Hexamethoxymethyl Melamine (HMMM) HMMM is a Hexa (methoxymethyl) melamine resin. It is used as a crosslinking agent with resorcinol or a novolak resin and as an adhesion promoter in rubber compounds with a variety of substrates. It is recommended as a replacement for hexamethylene-tetramine due to lower toxicity and less effect on scorch times. It is Crosslinking agent is a commercial grade of Hexamethoxymethyl melamine (HMMM) which supplied in liquid form. It is a versatile crosslinking agent for a wide range of polymeric materials, both organo-soluble and water-borne. It is soluble in most commonly used organic solvent but solubility in water is limited-when blended with most other water-reducible resins, tolerates dilution in water.

Highly etherified, low molecular weight hexamethoxymethyl melamine-formaldehyde resin supplied in liquid form at 98% minimum solids and applying for high solid or waterborne finishes, Automotive or general metals finishes, Coil or container coatings and Inks.

There is one member of the melamine-formaldehyde coating resin family that deserves special consideration. This is hexamethoxymethyl melamine (HMMM). This is a methylated rather than a butylated or isobutylated product. HMMM, as opposed to melamine-formaldehyde resins of the usual type, does not self-condense to any great degree. The reaction is primarily with the sites on the backbone of the principal film former, the alkyd resin.

Formaldehyde coating types HMMM will react with thermo settable acrylic polymers; either through hydroxyl or carboxyl groups, with the same improvement in properties as described for alkyd types HMMM is compatible with epoxy resins and may be used in the same manner as urea-formaldehyde resins are used to cross-link these polymers. Less is required, and improvements in initial color, gloss, and chemical resistance may be expected.

For more details download PDF file.

Keywords: Hexa (Methoxymethyl) Melamine, Process for Preparing Hexakis(Methoxymethyl)Melamine, Hexamethoxymethyl Melamine (HMMM), Hexamethoxymethyl Melamine Type Resin, Melamine Formaldehyde Resin, Cross-Linking Agent, HMMM, Hexamethoxymethyl Melamine Resin Manufacture, Melamine-Formaldehyde Resins, Cross-Linker, Project Report on Hexamethoxymethyl Melamine (HMMM), Detailed Project Report on Hexamethoxymethyl Melamine (HMMM), Project Report on Hexamethoxymethyl Melamine (HMMM), Pre-Investment Feasibility

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