



Chemical Corporation

Char Catalyst 5066 Non-Halogen Flame Retardant Synergist

Overview

Char Catalyst 5066 is surface treated nanoclay useful for dispersing free intumescent flame retardant useful as an additive for polyolefins, epoxy, and thermoset coatings.

The addition of Char Catalyst 5066 can allow the reduction in flame retardant usage by levels up to 25% without loss in flame retardant properties. Suggested starting point use levels are 1-3% by weight of the flame retardant usage.

Char Catalyst 5066 contains approximately 30-40% of a dialkyl ammonium (cationic) surfactant on the surface of montmorillonite clay. The product does contain up to 2% respirable crystalline silica. Nuisance respirable dust levels should be controlled below 5 mg/m³.

Typical Properties

Classification	Cationic Nanoclay
Assay (%)	99
Physical form	Off-white powder
Non-volatile (1hr. @ 105°C, %)	0.5 maximum
Flash point.....	None
Shipping.....	Not regulated by DOT
Storage	Store at ambient conditions

Handling Information

Refer to the Material Safety Data Sheet (MSDS) available for information on the safe use, handling and disposal of this product.

Important Notice to Purchaser:

The seller makes no warranty, expressed or implied, concerning the accuracy of any results to be obtained from the use of this information and no warranty is expressed or implied concerning the use of these products other than indicated within. The buyer assumes all risks of use and/or handling. No statement is intended or should be construed as a recommendation to infringe any patent.