



Dispersing Aids



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The **AdSperse**[®] range of Fischer- Tropsch hydrocarbons has been developed specifically for use as dispersing aids in the manufacture of polyolefin masterbatches and colour concentrates. Fischer- Tropsch hydrocarbons are highly compatible with polyolefins.

The Function of Dispersing Aids in Colour Masterbatches

Dispersion involves the breaking up of pigment agglomerates into primary particles/ crystals by shear forces. Pigments only develop their full colour potential when the agglomerate form, in which they are supplied, is broken down into a more uniform state consisting of primary particles/ crystals. Dispersing aids are used to wet the pigments, to penetrate the small hollows between agglomerated particles and to facilitate the shear- related breakdown of the solid, hard agglomerates. Even after breaking down the agglomerate, the attractive forces between the primary particles/ crystals may lead to reagglomeration. Dispersing agents are also used to stabilise the dispersed pigment particles to prevent reagglomeration in the polymer melt.

For more information on **AdSperse**[®], log in to **eWax**[®].