



Product Data Sheet

ADD-5055

GENERAL

ADD-5055 is a neutral wetting and dispersing additive to improve the wetting of pigment surfaces and organically treated Bentonites and to reduce the time required for the grinding process. It is recommended in solvent borne medium to low-polar systems to prevent fillers and inorganic pigments from settling.

SPECIFICATIONS

Chemical composition	:	High molecular weight carboxylic salts of polyamine amides
Active ingredients	:	50 - 54%
Solvents	:	methoxypropanol/alkylbenzene
Density at 20 °C	:	0.92 - 0.94 g/cm ³
Acid value	:	43 - 49 mg KOH/g
Amine value	:	36 - 43 mg KOH/g

ADD-5055 has a tendency to become hazy at low temperatures but this process can be reversed by heating.

APPLICATIONS AND USAGE

ADD-5055 is especially suitable for medium to low-polar binder systems, i.e. air-dried alkyd resins, chlorinated polymers, alkyd/amino resin combinations and epoxies.

ADD-5055 can cause discolouration in nitrocellulose varnishes.

It helps to prevent interfacial tension between the hydrophilic pigments/extenders and the binder, forming a lattice structure with the pigments at the same time. This means:

- Reduced dispersion time
- Stabilization of the pigment dispersion
- Decreased pigment sedimentation
- Reduced tendency to sag during application on vertical surfaces prevention of flooding

ADD-5055 is ideal for dispersing organophilic Bentonites, because it reduces dispersion time, improves the storage properties of the final paste and gives a thixotropic, easily processed paste-product.

Recommended concentrations

When used in mill-bases, add before grinding. In Bentonite dispersions use as follows:

85 - 87 parts of solvent
10 parts of Bentonite
3 – 5 parts of **ADD-5055**

100 parts

0.5 - 2.0% based on inorganic pigments

30.0 - 50.0% based on the organophilic Bentonite

STORAGE CONDITIONS

ADD-5055 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture.

SAFETY AND HANDLING

ADD-5055 should be handled in accordance with good industrial practice. Detailed information is provided in the Safety Data Sheet.