



# FCD

FOAM CONTROL DISPERSION

## FCD 3100

Water based Paint & Varnish Foam Control Dispersion

### TECHNICAL DATA SHEET

Rev.3 Date: 23/11/2016

#### PRODUCT DESCRIPTION

FCD3100 is a 100% active dispersion of mineral oils and wax specifically formulated for controlling weak foam in most water based paint and varnish systems. FCD3100 performs excellent knock down and hold down of all foam generated by the addition of water; surfactants and agitation. FCD3100 rapidly disperses with high efficiency at small economic doses. This foam control agent is stable and effective in adverse acidic or alkaline pH conditions. FCD3100 is versatile to use during any stage of the manufacturing process and is 100% silicone oil free. For more foam control power use a blend of FCD3100 with FCD3200, with a starting ratio of 60:40.

#### TYPICAL SPECIFICATIONS

Appearance	Opaque tan liquid
Active solids (%)	100
Specific gravity range	0.78-0.85
Viscosity at 25 (Mpas)	>100<500
Packaging	20kg Polyethylene containers 180kg Polyethylene Drums 800kg Schutz Containers

\*Typical product data values should not be used as specifications.

#### COMMON AREAS OF USE

- Water-based paint and coating systems
- Paint pumps/agitators
- Antifoaming and de-foaming
- Pigment grinding
- Resin grinding
- Colour match blending under shear/agitation
- Drainage aid

#### USAGE GUIDE

FCD3100 can be added directly from the original shipped container into the foaming system provided that agitation is carried out until the dispersion is completely dispersed. A concentration in the range of 0.1 to 0.5% has been determined as a good starting amount for aqueous paint & varnish applications. An emulsion can also be made by stirring in water and biocide (for prolonged storage periods longer than 12 hours). Separation can occur of the concentrate or the emulsion blend which can be remedied by proper stirring, performance won't be affected by separation as this phenomenon is considered normal with this type of dispersion due to the solids being suspended in liquid.

#### PLEASE NOTE

- Testing before formulating should still be carried out as system's ingredients such as resins, solvents and total solids vary in formulations.
- The warranty period without testing is 12 months from date of manufacture, if stored in the original unopened container at 10°C to 30°C. In concentrated form this product will separate during storage, this is normal, thorough agitation will remedy this and the product will still perform as required.
- Material Safety Data Sheets are available upon request.