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5000 Series - Silicone-free Defoamers

5000 Series - Silicone-free Defoamers

A range of silicone-free defoamers for aqueous systems many of which are suitable for use at elevated temperatures.

Products

DeCAL 5011 – Non Silicone Defoamer

DeCAL 5011 is a complex mixture of oils and low foam emulsifiers. It does not contain silicone oil or alkyl phenol ethoxylates.

Applications

DeCAL 5011 is a more effective version of DeCAL 5010 for use in demanding applications.

Benefits

- Excellent stability to both shear and temperature.
- Emulsifies readily with water.
- 100% active, does not contain water.
- Salt stable (to 100g 1-1). Hydrogen peroxide / Caustic stable (add DeCAL 5011 first)
- Shear stable therefore suitable for jets with high jet nozzle pressure.
- High temperature stability (130C or above). Superb emulsion forming characteristics on contact with water. An instant white emulsion is formed on addition to water

Request a sample Make an enquiry

DeCAL 5030 – Non Silicone Defoamer

Foam Control Agent for Emulsion Paints and Coa
been specifically developed to reduce air entrain
manufacture and application of water-based pai

Applications

As well as several uses in the paints and adhesive
can also be used in the paper Industry for clay / la
coatings

Benefits

- Has long lasting efficiency – particularly useful
important.
- Can be used as delivered.

Request a sample

DeCAL 5030 & 5032 – Foam Control Agents for Water-Based Systems

DeCAL 5030 and 5032 are designed to release bubbles and control foam generated in a wide range of aqueous systems containing surfactants.

They are blends of non-ionic surfactants and hydrophobes in a highly refined mineral oil with DeCAL 5032 containing a low level of silicone oil.

Applications

DeCAL 5040

DeCAL 5040 Chemical Type:

Water extended, mineral hydrocarbons, silica anc

Applications

DeCAL 5040 is a highly effective foam control ag
coatings and adhesives. The product utilizes new
to deliver a cost effective product specifically dev

- **Water-based Paints –** Aqueous paints have an inherent tendency to aerate and foam due to the presence of emulsifiers in resin binders. DeCAL 5030 and 5032 effectively combat air entrainment and foam by promoting bubble coalescence in the bulk and bubble breaking at the surface. DeCAL 5030 and 5032 are designed for moderate to high PVC systems, matt and sheen paints.
- **Adhesives and Grouts –** DeCAL 5032 is most effective in PV acetate-based adhesives/grouts. Acrylic based adhesives respond better to DeCAL 5030.
- **Carpet Backing and Paper Coating –** DeCAL 5030 is recommended for anchor coats and primary backings for carpets. In paper coating, both are recommended for use in coating colours, with similar preferences to polymer binds as in paints.
- **Effluent Treatment –** DeCAL 5032 is recommended for foam generated during sludge separation through centrifuge or belt presses.

entrainment during the manufacture and applic
paints, adhesives and coatings.

DeCAL 5040 has long lasting efficiency – particul
life is important. It is also useful in the Paper Indu
starch size press coatings.

DeCAL 5040 is suitable for use with a wide variet
PV Versatate copolymers, pure acrylics, styrene a
homo- and co-polymers, including pressure poly
and ethylene, acrylate co-polymers.

DeCAL 5040 is normally used as delivered.

In emulsion paint systems we recommend addir
grind and the balance to the final blending.

The level of addition recommended is 0.1 – 0.5% c
of the foam problems.

Request a sample

Make an enquiry

Request a sample

Insights

Find out more about our latest news and events and read our helpful tips and advice.

Allinova Supplier Profile

Find out more

DeCAL 9090 and DeCAL 9095 offer a cost-effective alternative to lithium carbonate

Find out more

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