



DeCAL 5155

Highly- Stable, Long-lasting, reacted Poly-siloxane Defoamer

1. Typical Properties.

Opaque white liquid

Non-ionic

pH 7.5 - 8.8 as supplied

Highly efficient defoaming agent

Disperses readily in water

Good stability to dilute acids and alkalis

Compatible with dyes, processing chemicals and electrolytes at normal concentration levels

Efficient and stable over a wide temperature range

Resistant to emulsification by processing surfactants

Effective in all types of applications including textiles, paints, coatings, and adhesives where excellent compatibility is preferred.

2. Application :

When selecting a defoamer consideration must be given to more than its ability to kill foam. The product must be sufficiently stable to shear, dyes, chemicals, temperature and pH to prevent adverse effects such as scum formation, silicone spotting or other surface defects.

DeCAL 5155 is a stabilised silicone defoamer. The special manufacturing process ensures highly efficient defoaming performance coupled with high stability. Unlike many other silicone defoamers, **DeCAL 5155** is stable in the presence of high concentrations of electrolytes from a variety of sources including:

pH modifiers

Water (hardness ions and trace metals)

Dyes

Chemicals (cationic and anionic)

Salts (e.g. sodium chloride, sodium sulphate)

Predilution

Before adding to the mix, **DeCAL 5155** should be predispersed with 10 to 20 times its weight of water at 15-30°C using hand mixing or gentle low speed mechanical agitation. Lengthy or high speed mechanical mixing should be avoided at this stage.

Application Levels

Because of its highly effective defoaming properties, relatively low levels of **DeCAL 5155** will be required. For most applications 0.25 to 0.50% (by weight) will provide effective foam control. Greater amounts may be required in the presence of high surfactant levels.

Application procedure

For best results, **DeCAL 5155** should be added to the water first before the addition of all other chemicals and should not be premixed with any of them. However, when **DeCAL 5155** has been properly prediluted as described above, it can be post added during processing if needed.

3. Handling :

Protect from frost. Exposure to temperatures below 4°C can cause damage.

We hope this information will be of value and if necessary we will be glad to offer additional technical advice. Please note that all our information is given in good faith, we can assume no responsibility for any liability incurred. Data and results should be confirmed by the Buyer by testing the product under its intended conditions of use.

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