TECHNICAL INFORMATION SHEET

BURST 100 ANTIFOAM

The expanded use of latex binder systems, more powerful wetting agents and faster turnaround times has brought more attention to the use of antifoams to alleviate and control slurry foaming tendencies. While there are many silicone antifoams on the market, Burst 100 gives the most rapid breakdown of foam and release of air bubbles. For longer term foam control, Remet's Foamaway can be used in conjunction with the Burst 100.

Burst 100 Antifoam provides outstanding performance under many different conditions. It is compatible with a wide variety of wetting agents, and can tolerate both alkaline and acidic binder systems. It has the following typical properties:

Appearance	Milky white liquid
Ionic Nature	Non-ionic
Dilution ratio	10% (one part Burst 100 to 9 parts deionized water)
pH	8.4
Density	8.26 lbs/gallon
Viscosity	Approx. 1500-1800 cPs
Solubility	Readily dispersible (room temp. water)
Compatibility	Compatible with most nonionic, anionic and cationic agents

DILUTION PROCEDURE:

Using manual agitation or very low speed/low shear mechanical agitation, add one (1) part of the Burst 100 to nine (9) parts cool (60-90°F/16-32°C) deionized or distilled water. As with any silicon emulsion, do not over mix the product or some breakdown of the emulsion can occur. After using the required amount, the rest of the diluted emulsion should be discarded if it will not be used within 24-36 hours.

USAGE:

For new slurries, the required level of diluted antifoam to be added will vary with the type of binder, flour, additives and mixing procedure used. If antifoam is added to the liquid portion of a slurry before the flour is added up to 0.20% by volume of the diluted antifoam (8 ml per gallon liquid) can be added.

For existing slurries, smaller additions should be made. For pot sizes up to 50 gallons total volume, 5-20 ml of diluted Burst 100 should be used as a starting point. For slurries over 50 gallons total volume, 10-40 ml should be tried. Actual user experience will provide for actual levels needed. It is usually better to make two additions over several hours' time, than make one very large addition.

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Diluted antifoam should be added slowly, especially to slurry, with good mixing. If the antifoam is not added properly, it may appear as an oily patch on the surface of the slurry and can get on the wax, inhibiting wetting. If problems arise, contact your Remet Territory Manager.

Burst 100 is a trademark of Ciba Specialty Chemicals.

STORAGE AND HANDLING:

Burst 100 is stable for up to 1 year when properly stored in closed containers at 20°C (68°F). Burst 100 is sensitive to temperature below 5°C (41°F) and above 40°C (104°F). KEEP FROM FREEZING. If exposed to temperatures below 5°C, damage may occur. If frozen, allow to thaw and then stir to ensure uniformity. Product should then be tested prior to use to assure it is still viable. This is best done by testing the thawed products impact on the surface tension of colloidal silica.

NOTE:

Unless specifically identified as a specification value, the above chemical, physical and particle size distribution values are typical properties. They are not specification values. Contact your nearest Remet Sales Office regarding product specifications.

Contact your Remet Territory Manager if you have any questions or require additional information.

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