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TECHNICAL DATA SHEET

Siltech® PA-140

Pulp Antifoam Compound

DESCRIPTION

Siltech® PA-140 is a 100% active, emulsifiable pulp antifoam compound base. It is designed as a foam control agent in brown stock washing for kraft and sulfide processes.

PROPERTIES

Appearance	Milky white
Viscosity (25°C), cps	5,000
Specific Gravity (25°C)	1.0
Solid Content, %	100

USES AND APPLICATIONS

Siltech PA-140 is a 100% active foam control agent for formulating highly effective antifoam emulsions for pulp washing processes.

Key features and benefits:

- Highly effective antifoaming and de-foaming
- Improved drainage
- Much more effective vs conventional mineral oil based defoamers
- Reduces soda losses
- Better pitch control
- Environmentally safe i.e. no dioxin problems
- Improves pulp quality
- Easy to formulate into stable emulsions

Siltech PA-140 is also effective at many industrial foam control applications especially where higher durability or alkaline stability is required. Typical uses are liquid laundry detergents or jet dye antifoam.

HOW TO USE

Siltech PA-140 should be used in a diluted emulsion form (see suggested emulsion preparation).

Suggested formulation:

15.0%	Siltech PA-140
52.7%	Water I
30.0%	Water II
0.2 %	Thickening Agent e.g Carbopol 941
0.2%	NaOH 50%
1.81 %	Silsurf B1112
0.1%	Biocide

Procedure:

1. Add Carbopol to Water I and mix at 450 rpm until dispersed
2. Adjust pH to 6.5-7.5 using 50% NaOH
3. Add Silsurf®B1112 and mix for 5 minutes
4. Add Siltech® PA-140 slowly, mix at 450 rpm
5. Add Water II and Biocide

The recommended dosage of **Siltech PA-140** is between 20% to 10% active of a traditional oil-based defoamer.

It is important to mix the product prior to use.

SAFETY

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

STORAGE AND SHELF LIFE

When stored in the original, unopened container between 10 and 40°C, **Siltech PA-140** has a shelf life of 24 months from date of manufacture.

PACKAGING

Siltech PA-140 is available in 20 Kg and 200 Kg containers.

LEGAL DISCLAIMER

Siltech Corporation believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech Corporation, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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