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Technical Data Sheet SPI-DF 103

Description:

SPI-DF 103 is a solvent free highly efficient silicone-antifoam compound. It was especially developed for use in a wide range of industrial applications ranging from food processing, pulp processing, textile dyeing, and waste water treatment. SPI-DF 103 has significant foam knock down.

Benefits and Features:

- Free rinsing (when emulsified efficiently)
- Easy handling
- Quick knock down

Regulatory Status:

FDA:

- 21 CFR 173.340
- 21 CFR 176.170
- 21 CFR 176.180
- 21 CFR 176.210

EPA: The ingredients are exempt from tolerances list below:

- 40 CFR 180.910
- 40 CFR 180.920
- 40 CFR 180.960

Typical Physical Properties*

| | |
|-----------------|---------------|
| Appearance | Opaque Liquid |
| Viscosity @ 25c | 2000 cp |
| pH (100%) | 8.0 +/- 1.0 |
| Activity | 100 |
| Solubility | Insoluble |

** These items are provided as general information only.
They are approximate values and are not considered part of the product specifications.*



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Application

SPI-DF 103 acts primarily as an antifoam base for formulated defoamers and antifoams that can be added at various stages during industrial processing, especially design for food processing. When emulsified SPI-DF 103 rinses clean and does not have the detrimental effect of silicone deposits and residues.

Emulsifier Recommendations

(HLB : 11 to 13)
(Emulsifier to Compound Ratio: 1:4)
Tween 80 and 85
Polysorbate 60
SMS, MS-40, MS 20

Storage

SPI-DF 103 has a shelf life of at least 1 yr. from the date of delivery. Continued storage beyond the designated shelf life does not necessarily mean the material cannot be used. However, renewed testing of the most important properties is imperative.

Limited Warranty Information:

Although every effort has been made to ensure that the information contained within this data sheet is reliable, we cannot be held responsible for the correctness of the information or for any loss, injury or damage which may result from its use. Suggestions of uses should not be taken as inducements to infringe any particular existing patent.

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