BOND –PADF-01
DEFOAMER

BOND-PADF-01 Defomer is high performance silicone based antifoam emulsions. Containing non-ionic surfactants and functional additives. Foam formation is generally unwanted as it increases viscosity and reduces the density of Liquids, thereby making stirring and transport difficult. It can also decrease the performance of the product, give application faults and decreases output. These antifoams not only effectively kill foam in low concentrations but also do not show any adverse environmental impact (when used in ETP) due to their inert nature (chemically and biologically) and ability to decompose.

BOND-PADF-01 Defomer also possesses high resistance to alkali; it may further be used in a wide range of applications in which PH is critical.

FEATURES

- Extremely high performance, thus effective at very low concentrations (10-100 ppm)
- Non-Reactive
- Easy to dilute using water
- Compatible with other systems
- Effective over wide temperature ranges
- Contains preservatives to prevent microbial growth
- Alkali Stable

APPLICATIONS

- Effluent Treatment
- Detergency
- Paper Industry & fermentation industry.
- Latex Manufacturing
- Oil and Natural gas production
- Agrochemical
- Construction (Cement processing)

PRODUCT SELECTION GUIDE

BOND-PADF-01 Defomer is Special-purpose antifoam emulsion and its viscosity and solid content can be adjusted according to demand. **BOND-PADF-02 Defomer** concentrate gives the best economic value, especially for industries where it is used in diluted concentration.

SPECIFICATIONS

Sr. No.	Characteristics	Properties
1	Appearance	Milky Off white emulsion
2	Viscosity (by Ford cup B5)	200 CPS Max.
3	Solid Content (%) 110°C for	31.0 - 36.0
4	pH	6.0-8.0
5	3% Active performance	Less than 15 sec
6	SHELF LIFE in the original container from the date of production.	Six months
7	PACKING	1, 5 & 50Kgs cans, 200-kg drums

SUGGESTED APPLICATION METHOD AND FORMULATION

The best diluents for **BOND-PADF-01 Defomer** Antifoam emulsions is cold water. This emulsion is stable up to reasonable levels of water hardness (200 ppm). Although the emulsion should be stable above 200-ppm hardness, it is advised to treat the water with a dilute aqueous solution of Sodium Ethylenediaminetetraacetic acid (Na-EDTA) to ensure stability of the emulsion by formation of complexes.

BOND-PADF-01 Defomer

Advised usage of this product is from 5 to 50 ppm solids content, however results may be achieved at much lower concentrations. The required amount may change according to the nature and concentration of the surfactant, temperature and the degree of foam control required The user is advised to optimize his process by initially testing the antifoam at higher concentrations (50 ppm) and then reducing the concentration to the desired level of foam control.
To find the weight of emulsion required (in kilograms) to obtain a required ppm solid content in 1000 liter water divide the required ppm by (10 x %solids) E.g. To get a 50 ppm solution of a 25% solids emulsion 50/(10x25)= 0.2 kilograms emulsion should be added for every 1000 liters water.

SUGGESTED USE

1. After estimation of the required quantity of antifoam required, pre-dilute the emulsion 2-10 times in cold water under low shear (to ensure efficient dispersion). Use this pre-diluted material immediately. Use DM water (free bacteria) for dilution. Agitate the product prior to use. For sufficiently high levels of agitation.

2. Inject the antifoam into the system, preferably up stream to the point of foam generation.

The information contained here in is reliable and accurate to the best of our knowledge. However conditions of use and method of applications are beyond our control, no warranty is expressed or implied.

ALSO AVAILABLE CONSTRUCTION CHEMICALS FOR REPAIRS, REHABILATION OF BUILDING, BRIDGE, DAM, CANAL, TUNNEL & MARINE STRUCTURES, ETC.

RESINS	PAINTS	GROUTS	CONCRETE ADMIXTURE	FLOORINGS	WATERPROOFING	ADHESIVE	LACQUERS
EPOXY	EPOXY	CEMENT-POLYMER	MICRO CONCRETE	EPOXY	ACRYLIC COPOLYMER	EPOXY	SOLVENTED
POLYURATHANE	POLYURATHANE	EPOXY	PLASTICIZERS	POLYURATHANE	POLYMER POWDER	ACRYLICS	WATER BASE
ACRYLICS	ANTI CORROSIVE	EXPANSIVE GROUT		NON METTALIC CEMENT	WATERREPPALLENT		NC-ACRYLICS

TECHNICAL SERVICES & Technical assistance
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