



Concentrate Defoamer 5050 Technical Data Sheet

Grade- Concentrate Defoamer 5050

Product Description

Concentrate Defoamer 5050 is a concentrated, non-silicone defoaming agent designed for use in fertilizer, phosphoric acid, wastewater treatment, and general chemical processing industries. It provides powerful foam suppression at very low dosages while maintaining excellent process compatibility. The product's solvent-based formulation ensures rapid action and effective performance under demanding conditions.

Applications

Concentrate Defoamer 5050 is highly effective in a wide range of industries, including phosphoric acid production, fertilizer manufacturing, wastewater and effluent treatment plants, and other general chemical processing operations. By reducing surface and interfacial tension, it provides strong foam suppression, ensuring smooth plant operation, improved efficiency, and enhanced process stability.

Specifications

Standard	Concentrate Defoamer 5050
Appearance	Colorless or clear liquid
Solubility in water	Soluble
Brookfield Viscosity @15 °C	100 -400 cps
pH Value	6.5 – 8.5
Specific Gravity (g/cm ³ @25 °C)	Min.0.9

Advantage

Concentrate Defoamer 5050 offers rapid foam knockdown and sustained foam suppression at very low dosages, making it economical and efficient. It performs well under acidic and elevated-temperature conditions, is easy to handle and pump due to its low viscosity, and is supplied ready-to-use without the need for dilution.

Dosage

Dosage requirement is very low for effective foam control. The typical dosage is **0.001 – 0.05% by weight** of the process solution or raw material. Actual dosage should be optimized during plant trials to achieve best performance.

Packing and Storage

Concentrate Defoamer 5050 is available in **1000 kg IBCs or 210 kg drums**. Store in a cool, dry, shaded, and well-ventilated area. Keep away from direct heat, sparks, or open flames. When stored properly in unopened containers, the product has a shelf life of up to **24 months**.

Recommended Handling

This product is flammable and must be handled with care. Use in well-ventilated areas away from ignition sources. Personnel must wear protective gloves, goggles, and appropriate clothing. Refer to the Safety Data Sheet (SDS) for full safety guidance.

The above information is best to our knowledge and provided for manufacturing purposes. Al Battal Factory for Chemical Industries Company makes no warranty or guarantee concerning the handling, use or application of such product whether alone or in combination with other products in case unexpected events occur. Users are advised to make their own tests to determine the suitability and performance of the product.