

## Concentrate Defoamer 50

### Technical Data Sheet

#### Grade- CONCENTRATE DEFOAMER 50

##### Product Description

**Concentrate Defoamer 50** is a proprietary, non-silicone defoaming agent specifically formulated for phosphate and fertilizer manufacturing processes. It offers highly effective foam control and can be safely integrated into the production of phosphate-based fertilizers. Its non-silicone composition ensures compatibility with a wide range of systems while minimizing downstream contamination or interference with product quality.

##### Applications

Concentrate Defoamer 50 effectively reduces surface and interfacial tension, making it highly suitable for use in phosphoric acid production and various fertilizer manufacturing processes. Its strong defoaming action ensures stable operation and enhanced efficiency in systems prone to foam generation.

##### Specifications

Standard	Concentrate Defoamer 50
Appearance	Milky white to clear liquid
Solubility in water	Soluble
Brookfield Viscosity 15°C,	Minimum 100 cps
pH Value	5.5 – 7.5
Specific Gravity (g/cm <sup>3</sup> at 25°C)	Minimum 0.9

##### Advantage

Concentrate Defoamer 50 offers excellent defoaming and foam-control performance, ensuring efficient processing. It exhibits high resistance to elevated temperatures and strong acid environments, making it ideal for demanding industrial conditions. The product is easily pumpable without operational issues and is ready-to-use without the need for dilution.

##### Dosage

Dosage requirement is very low for effective control of foaming control. A typical dosage required 0.001- 0.1 % weight of the rock however this quantity can be changed during actual operation.

##### Packing and Storage

Concentrate Defoamer 50 is available in 1000 kg IBCs or 210 kg drums. It should be stored in a cool, dry, shaded, and well-ventilated area. When stored properly in unopened containers and kept away from direct heat and sunlight, the product has a shelf life of up to 24 months.

##### Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Safety Data Sheet (SDS).

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.

Al Battal Factory for Chemical Industries Company, P.O. Box 2479, 2nd Industrial City, Dammam-34334,  
Kingdom of Saudi Arabia. Tel. +966 13 8128882 Fax: +966 13 8128880, Web site: [www.albattalchem.com](http://www.albattalchem.com)  
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