

## Technical Data Sheet

### Defoamer

### Phosphoric Acid Defoamer

## Bertafoam 8060

### DESCRIPTION

**Bertafoam 8060**, specially formulated for the phosphoric acid production where the impurities of the rock (organic / inorganic) releases gases forming surface foam during the reaction with sulphuric acid reducing the production and efficiency. Defoamer knocks down the surface foam and releases the entrapped CO<sub>2</sub> gas bubbles and remains in the system to prevent further foaming and degassing of entrapped gases through multiple cycles of reaction, filtration and recycle acid flow. Does not damage rubber linings.

**Bertafoam 8060**, specially formulated for the DAP / NPK production where the exhaust gases of reaction of phosphoric acid with ammonia and scrubber liquor which form foamy solution that diminishes the pumping efficiency and overall scrubbing capacity. The defoamer helps in the granulation and for maintaining granule strength.

### Specification

<b>Density (g/cm<sup>3</sup>)</b>	1.09
<b>Solubility</b>	Dilution with 50% water does not exhibit any gel formation.
<b>Pump ability</b>	Pump ability: Due to Non-Gelling/Non-Thickening behavior even at 0°C, does not pose any problem in pumping or choking of pipe lines

### Application

- Improved capacity utilization and yield
- Improved reaction and filtration efficiency
- Increased recovery of raw materials due to lower losses in scrubbers, flash coolers and evaporators
- Improved calcium sulfate crystallization and lower unit cost by improving plant rates
- Lower maintenance spending on mechanical gas removal equipment
- Reduced plant downtime
- Reduced environmental, health and safety issues as a result of lower fugitive emissions

### Specification

<b>Appearance</b>	Clear off-white liquid
<b>pH (1:10 solution)</b>	7 ± 0.5
<b>Cloud Point</b>	≤ 11°C

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**NOTE:** To the best of our knowledge and technical experiments, the above data is true and accurate. Given the variety of consumption fields, it is recommended to evaluate the information before use.

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Phosphoric Acid Defoamer

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## **Bertafoam 8060**

### **Product Handling, Storage and Shelf Life**

To ensure safe storage of this emulsion, containers should be well sealed to prevent water evaporation and skin forming. The product must be stored between 5-25°C for maximum 6 months.

Freezing and direct sun light must be avoided.

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