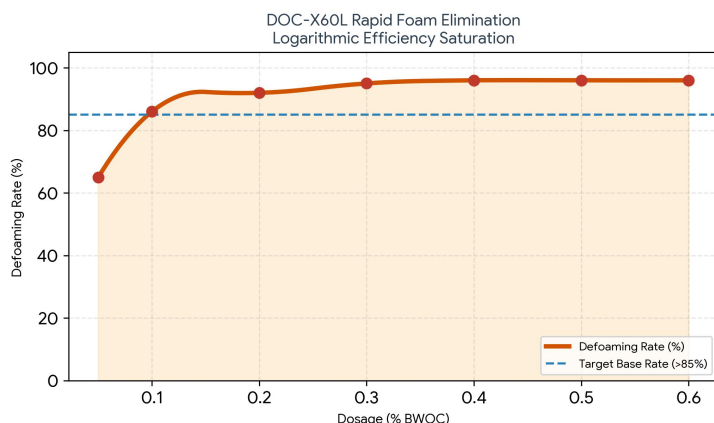


DOC-X60L Defoamer

Phosphate Esters Type Agent for Rapid Foam Elimination

1. Performance Highlight (Defoaming Rate)

DOC-X60L is a high-efficiency phosphate esters type defoamer. The following chart illustrates its capability to rapidly achieve and sustain a defoaming rate of over 85.0% within the recommended dosage range, effectively eliminating foams caused in slurry mixing:



2. Features & Benefits

- **Rapid Foam Elimination:** Quickly breaks down and eliminates foams produced during the mixing process, ensuring a stable and consistent cement slurry density.
- **Excellent Anti-Foam Performance:** Possesses good capacity of anti-foaming in slurry, preventing the reformation of gas entrapment.
- **Zero Negative Impact:** Does not affect the general performance of conventional cement slurries nor retard the compressive strength development of the set cement stone.
- **High Compatibility:** Exhibits superior compatibility with other cement additives.
- **Universal Water Suitability:** Can be used in both fresh water and salt water slurry.
- **Broad Temperature Range:** Operates reliably in well environments with Bottom Hole Circulating Temperatures (BHCT) from 27°C up to 200°C.

3. Technical Specifications & Physical Data

Property Item	Technical Specification / Index
Appearance	Colorless or light yellow clear liquid
Chemical Base	Phosphoric acid three butyl ester (Phosphate esters)
Density (g/cm ³)	0.85 ± 0.05
Defoaming Rate (%)	> 85.0%
Applicable Temperature Range	27°C - 200°C (BHCT)
Recommended Field Dosage	0.1% - 0.5% (BWOC)

4. Packaging & Storage

- **Packaging:** Packaged in 200L plastic drums, or based on custom's request.
- **Storage Conditions:** Store in a safe, ventilated environment. Protect from exposure to extreme elements.

To obtain the Material Safety Data Sheet (MSDS) or to learn more about laboratory application schemes, please contact us directly: QINGDAO DIMENSIONAL COPOLYMERIZATION ENERGY CO., LTD.

Website: www.dicoenergy.com | Technical Support Email: info@dicoenergy.com