

Rock Phosphate & Foundry Processing

Typical chemical and physical properties

D'FERT 50 DS is an organic defoamer especially formulated for processing of Phosphoric Acid from Rock Phosphates & Foundry chemicals. It also acts as very good Wetting & Dispersing agent in Water based Ink Formulations.

Combination modified fatty alcohol's and their esters

Appearance	Clear to Off White liquid
pH of 1% Solution	6 ± 0.5
sp. Gravity	> 1.0

Applications and typical treat level recommended

Apply the product in its natural state by aspersion or by dosing pump and adjust the initial dosage according to the requirements.

D'FERT 50 DS has been proved to be very powerful defoamer in the mfg . of Phosphoric Acid produced frm rock – Phosphates. Usually foam is caused by Carbonates in the opatice.

D'FERT 50 DS is added between 0.05 to 0.1 % on wt. of rock .

For NPK FERTILIZERS : foaming caused during mfg. is due to

- Decomposition of Urea with Phosphoric Acid.
- Dissolution of Rubber linings which gives rise to gased
- Plant Conditions.

All this can be easily suppressed by adding 0.005 to 0.075% of **D'FERT 50 DS** On wt. of the fertilizer slurry.

Benefits

D'FERT 50 DS does not effect rubber lining.

It lowers surface tension and does not clog filter cloth thus improves Filtration and crystallization.

