XYZTU / TECHNICAL DATA SHEET

DF2410

Mineral Oil and Modified Polyether Defoamer

English translation with confirmed coatings dosage guidance

DF2410 combines mineral oil and modified polyether with several active components to balance foam suppression, foam breaking and compatibility. It is a nonionic, APEO-free defoamer for water-based formulations.

Typical properties

Appearance	Pale yellow, opaque liquid
Composition	Mineral oil, modified polyether
Active content	Greater than 99%
Ionic character	Nonionic

Applications

Inorganic coatings, water-based wood coatings, water-based industrial coatings, other water-based coatings and adhesives. The source highlights microfoam control in airless and air spraying, and foam control in low-PVC (pigment volume concentration) formulations.

Use and coatings dosage

Add directly to the coating. Add 50% of the intended total defoamer during grinding and the remaining 50% during letdown, before adding the emulsion. Begin at the lowest recommended dosage and adjust through trials. Stir or shake before use; the source notes that separation during storage does not affect defoaming efficiency.

Coatings dosage: 0.1-0.5% by mass of the total coating formulation (1-5 parts per 1,000). This range was confirmed on 24 October 2026 as supplementary coatings guidance; it is not stated in the original Chinese sheet. Determine the final dosage by testing. It does not establish a dosage for other applications.

Packaging and storage

25 kg or 180 kg plastic drums. Store in the unopened original container at -5 to 40 C. Shelf life is 12 months from the date of manufacture.

Technical notes and safety information

The source describes wetting performance, control of microfoam and compatibility without cratering or gloss loss. Verify these effects in the intended formulation and application process.

This TDS is not a Safety Data Sheet. Request the current SDS before use through xyztu.com/en/contact/.

Document basis

English translation prepared 24 October 2026 from the existing Chinese DF2410 TDS, Nanjing Xinyi Synthesis Technology Co., Ltd. No issue or revision date is shown on that source. The preparation date above is not the source revision date. View original Chinese TDS.