XYZTU / TECHNICAL DATA SHEET

DF-1572

Persistent Silicone Defoamer for Acidic and Alkaline Waterborne Systems

English coating and adhesive application version prepared from the supplied Chinese source document.

Product description

DF-1572 is a water-based silicone emulsion defoamer designed for persistent foam control under both acidic and alkaline conditions. Its positioning is suitable for waterborne coating and adhesive formulations where long-lasting foam suppression, water dispersion and resistance to shear are required.

Typical properties

Appearance	White emulsion
Solids content	Approximately 48%
pH	Approximately 7
Viscosity at 25 degrees C	Approximately 3,000 cP; test method not stated in source
Emulsifier type	Non-ionic
Diluent	Water

Features and coating / adhesive positioning

Low use levels can provide persistent foam control. The product is described as effective in strongly acidic and strongly alkaline systems, with good dispersion in water and no visible spots or agglomerates reported in the source. It also provides acid resistance, alkali resistance and shear resistance.

For coatings, evaluate DF-1572 in waterborne architectural, industrial or protective coating systems when foam persists during dispersion, let-down or application. For adhesives, evaluate it in waterborne adhesive formulations where mixing and application generate persistent foam. These coating and adhesive applications are an application positioning based on the supplied product properties; confirm compatibility, surface appearance, recoat behavior and final dosage in the intended formulation.

Dosage and use

The supplied source does not state a validated coating or adhesive dosage. Establish the minimum effective level through formulation trials. Evaluate addition at the stage where foam is generated, and compare direct addition with a pre-diluted addition. If pre-dilution is used, slowly add softened or deionized water to DF-1572, stir moderately, avoid high shear and use the diluted liquid within 24 hours to reduce separation risk.

Packaging and storage

Available in 25 kg and 200 kg plastic drums and IBC containers. Store in a cool, ventilated warehouse away from fire and heat. Protect from freezing and maintain storage between 10 and 35 degrees C. Keep the container tightly closed when not in use. Shelf life is 12 months when stored as specified; recheck performance before use after the stated shelf life.

Points to confirm before commercial use

Confirm the formulation-specific dosage, addition point, compatibility with the binder and surfactant package, gloss and surface appearance, recoating, adhesion, storage stability and any regulatory requirements. The source document does not provide independent coating or adhesive test results, a test method for viscosity, or an SDS.

Document basis and safety information

Prepared 25 October 2026; English translation revised 26 October 2026 to correct the pre-dilution addition order against the supplied Chinese source. Source revision date not stated. The source describes agricultural water suspensions and metalworking fluids; this version presents a coating and adhesive application positioning for technical evaluation. It does not replace the original document, a validated formulation guide or a Safety Data Sheet. Request the current SDS and technical clarification before commercial use.