

Technical Bulletin

DYNAX DX1025 FLUOROSURFACTANT

Dynax DX1025 is a blend of all C6 fluorotelomer-based fluorosurfactants that can lower the surface tension of aqueous solutions down to 17 dyne/cm at very low concentrations. DX1025 has been designed mainly for the formulation of fire-fighting foam concentrates such as Aqueous Film Forming Foam (AFFF) and Alcohol-Resistant Aqueous Film Forming Foam (AR-AFFF).

Typical Properties¹

Appearance	Clear, yellowish liquid
Ionic Character	Blend
Composition	39-41 % Actives 35-37 % Solvents Remainder: Water
Density	1.18 g/ml (@25°C)
Viscosity	20-40 cP's (Brookfield DV-E spindle #3, speed 50, temp. 25°C)
Flammability	Non Flammable
pH	6-7
Solubility	DX1025 can be diluted directly in water.
Stability	At least one year if stored in original containers at temperatures not exceeding 50°C (122°F).
Storage	DX1025 should be stored at temperatures above 5°C. If frozen or a solid phase separates out, warm the product to room temperature and mix it well before use. Freezing and thawing will not affect the properties of the product or its performance.

¹Not for specifications

Surface Tension Data

% Actives in distilled water	Surface Tension (dynes/cm)
0.1	15.7
0.01	16.9
0.001	27.5

By Wilhelmy Plate Method: KRÜSS Force Tensiometer K100C

Product Safety

DX1025 is not derived from PFOS (Perfluorooctyl Sulfonate) or from PFOA (Perfluorooctanoic Acid). DX1025 does not degrade into PFOS or PFOA. DX1025 meets the objectives of the US EPA 2010/15 PFOA Stewardship Program.

DX1025 is not an irritant on skin (Rat).
It is a minimal irritant on eyes (Rabbit).
The acute oral LD₅₀ for albino rats is greater than 5000 mg/kg.

Precautions and First Aid

DX1025 should be handled with good industrial precautions. Safety goggles and rubber gloves, as well as protective clothing suitable to avoid skin contact should be worn. In case of contact with eyes, flush eyes with plenty of water and consult a physician. In case of skin contact, wash skin with plenty of water and soap.

<p><i>Important Notice to Purchaser:</i> All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof is not guaranteed. Since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability in connection therewith.</p>
