

Technical Bulletin

DYNAX DX1020 FLUROSURFACTANT

Dynax DX1020 is a blend of fluorosurfactants that can lower the surface tension of aqueous solutions down to 16 dyne/cm at very low concentrations. DX1020 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	37% Actives 19% Solvents 44% Water
Density (@25°C)	1.14 g/ml
Flash Point	27°C (PM Closed Cup)
pH	5 - 6
Solubility	DX1020 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	DX1020 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	16.7
0.01	17.9
0.001	28.3

Product Safety

DX1020 is not derived from PFOS (Perfluorooctyl Sulfonate) or from PFOA (Perfluorooctanoic Acid). DX1020 does not degrade into PFOS or PFOA.

DX1020 is minimal irritant on skin. It is a moderate irritant on eyes. The acute oral LD₅₀ for albino rats is greater than 5,000 mg/kg.

Precautions and First Aid

DX1020 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.

Important Notice to Purchaser: 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.
