

Technical Bulletin

DYNAX DX5022 FLUORO-CHEMICAL FOAM STABILIZER

DX5022 is an anionic fluorochemical foam stabilizer, miscible with water in all proportions. DX5022 is designed to be used in synthetic and protein-based alcohol-resistant fire-fighting foam agents, such as AR-AFFF (Alcohol-Resistant Aqueous Film Forming Foam) and AR-FFFP (Alcohol-Resistant Film Forming Fluoroprotein). DX5022 imparts to the alcohol-resistant foam agents exceptional foam stability against fires of polar solvents, such as alcohols, ketones and ethers.

DX5022 is especially recommended for the development of low viscosity alcohol-resistant foam agents, such as 3x3, 1x3 and 1x1 AR-AFFF and AR-FFFP agents.

Typical Properties¹

Appearance	Amber liquid
Viscosity	600 - 750 cP's at 20°C
Ionic Character	Anionic
Composition	39 - 41% actives 5-6% Tripropylene Glycol Methyl Ether Balance: water
Density (@25°C)	1.13 g/ml
pH	6.8 to 7.8
Flash Point	>93°C (>200°F) (PM Closed Cup)
Storage	DX5022 should preferably be stored in original containers at temperatures not exceeding 50°C (122°F).
Stability	One year if stored in original containers at temperatures not exceeding 50°C (122°F).

¹Not for specifications

Product Safety

DX5022 is not derived from PFOS (Perfluorooctyl Sulfonate) or from PFOA (Perfluorooctanoic Acid). DX5022 does not degrade into PFOS or PFOA. DX5022 is made from C6 fluorotelomers containing less than 0.3% C8 and higher homologs. C6 fluorotelomers are not subject to either the EPA's fluoropolymer/fluorotelomer stewardship program or a TSCA consent order.

DX5022 is not an irritant on skin; it is a minimal irritant on eyes. The acute oral LD₅₀ for albino rats is greater than 5,000 mg/kg.

Precautions and First Aid

DX5022 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 are 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.
