

Technical Bulletin

DYNAX DX5044 C6 FLUOROCHEMICAL FOAM STABILIZER

DX5044 is a low-viscosity C6 Foam Stabilizer composed of DX5011M (67%) and DX1025 (33%). DX5011M is a high-viscosity C6 Foam Stabilizer developed to provide similar or superior performance compared to the phased-out DX5022. DX1025, Dynax's most efficient C6 Fluorosurfactant blend, is responsible for the low-viscosity of DX5044 and is an integral part of the DX5044 production process.

When formulated with additional DX1025 or other Dynax C6 Fluorosurfactants, DX5044 allows the production of low-viscosity and Newtonian 1x1, 1x3 and 3x3 AR-AFFF and AR-FFFP.

Typical Properties¹

Appearance	Amber liquid
Ionic Character	Anionic
Composition	42 - 44% actives 11-14%: Solvents Remainder: Water
Density	1.16 g/ml (@25°C)
Viscosity	550 - 750 cP (Brookfield DV-E/#3/20rpm @25°C)
Flammability	Non-flammable
pH	6.5 - 7.5
Solubility	DX5044 can be diluted directly with water.
Stability	At least one year if stored in original containers at temperatures not exceeding 50°C (122°F).
Storage	DX5044 should be stored at temperatures above 5°C. If frozen or a separation is observed, 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 specification purposes

Surface Tension Data¹

% Actives in distilled water	Surface Tension (dynes/cm)
0.1	18.0
0.01	20.7

By Wilhelmy Plate Method: KRÜSS Tensiometer K100C

¹ Typical values, not for specification purposes

Product Safety

DX5044, a C6 telomer-based fluorochemical, cannot degrade into PFOS or PFOA.

DX5044 meets the objectives of the US EPA 2010/15 PFOA Stewardship Program.

DX5044 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 5,000 mg/kg.

Precautions and First Aid

DX5044 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.