Dynax Corporation
79 Westchester Avenue
Pound Ridge, NY 10576
T 914 764 0202 F 914 764 0553
info@dynaxcorp.com

dynax

Technical Bulletin

DYNAX DX1026 FLUOROSURFACTANT

Dynax DX1026 is a blend of fluorosurfactants that can lower the surface tension of aqueous solutions down to 16.5 dyne/cm at very low concentrations. DX1026 has been designed for both synthetic and protein-based film-forming foam concentrates, such as AFFF, FFFP, AR-AFFF and AR-FFFP.

Typical Properties[1]

Appearance	Clear, yellowish liquid
Ionic Character	Blend
Composition	35-37 % Actives 39-41 % Solvents Remainder: Water
Density	1.18 g/ml (@25^{o}C)
Viscosity	180-220 cP's (Brookfield DV-E spindle #3, speed 20, temp. 25^{0}C)
Flammability	Non-Flammable
pH	6.5-9
Solubility	DX1026 can be diluted directly in water.
Stability	At least one year if stored in original containers at temperatures not exceeding 50^{o}C (122^{o}F).
Storage	DX1026 should be stored at temperatures above 5^{o}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.

[1]Not for specifications

Surface Tension Data

% Actives in distilled water	Surface Tension (dynes/cm)
0.1	15.7
0.01	18.3
0.001	41.4

By Wilhelmy Plate Method: KRÜSS Force Tensiometer K100C

Product Safety

DX1026 is not derived from PFOS (Perfluorooctyl Sulfonate) or from PFOA (Perfluorooctanoic Acid). DX1026 does not degrade into PFOS or PFOA. DX1026 meets the objectives of the US EPA 2010/15 PFOA Stewardship Program.

DX1026 is not an irritant on skin.
It is a minimal irritant on eyes.
The acute oral LD_{50} for albino rats is greater than 5,000 mg/kg.

Precautions and First Aid

DX1026 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.

***