



TECHNICAL DATA SHEET

FIRE-EX HT1025

An efficient fluorosurfactant blend for AFFF and AR-AFFF formulations

General information

FIRE-EX HT1025 is very effective as a component of synthetic film-forming foam concentrates (AFFF and AR-AFFF). It is based on short chain C6 fluorochemicals.

Important note: The synthesis of FIRE-EX HT1025 does not produce PFOS (Perfluorooctyl Sulfonate). C6-based fluorochemicals do not degrade to form PFOA (Perfluorooctanoic acid).

FIRE-EX HT1025 complies with all regional PFAS regulations.

Product Description

FIRE-EX HT1025 is an efficient blend of ionic and nonionic surfactants that lowers the surface tension of water to very low values (15-16 dynes/cm).

Typical Physical properties*

Appearance:	Clear yellow liquid
Ionic Character:	Ionic/nonionic blend
pH:	4.8-6.5
Composition:	38-42% actives, 30-45% solvents, remainder is water
Surface tension:	15.5 dynes/cm at 0.1% actives, 15.8 dynes/cm at 0.01% actives
Solubility:	Can be diluted with water
Density:	1.18 g/cm ³ at 25°C
Viscosity:	Below 1000 cSt at 25°C
Flammability:	Non-flammable
Stability:	At least three years if stored in original containers at temperatures below 50°C.
Storage:	Must be stored at temperatures above 5°C. If frozen or if a solid layer forms, warm to 15°C and mix before use.

*Typical properties, not for specification purposes

Safety, Precautions, and First Aid

FIRE-EX HT1025 is not an irritant on skin. It is a minimal irritant on the eyes. The acute oral LD50 for albino rats is greater than 5,000 mg/kg. **FIRE-EX HT1025** should be handled with good industrial practices: Safety goggles, rubber gloves, and protective clothing suitable to avoid skin contact should be worn. In case of contact with the eyes, flush eyes with plenty of water and consult a physician. In case of skin contact, wash skin with plenty of water and soap.

Disclaimer

These data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as the conditions and method of use of our products are beyond our control. The prospective user should determine the suitability of our products for his end use and assumes all risk and liability in connection therewith.