



# CHEM GUARD FS-100

*Amphoteric Fluorosurfactant*

## DESCRIPTION

Chemguard FS-100 is a 40% actives proprietary amphoteric fluorosurfactant useful in the preparation of highly fluorine efficient AFFF agents. It is compatible with anionic, cationic, amphoteric and nonionic hydrocarbon or fluorochemical surfactants. Premium 3% AFFF agents can be prepared with less than 2.0% Chemguard FS-100, if Chemguard HS-100 is used in the formulation.

## FEATURES

- Active agent is a proprietary amphoteric telomer based fluorinated surfactant produced only by Chemguard since 1999.
- Compatible with anionic, amphoteric, and nonionic hydrocarbon or fluorocarbon surfactants.
- Does not contain PFOS or derivatives thereof.
- Chemguard FS-100 foams efficiently and effectively reduces surface and interfacial tension of water solutions.
- Chemguard FS-100 is soluble and performs well in tap, brackish or sea water
- Especially effective when used in combination with Chemguard HS-100.
- Especially effective when used in combination with decyl sulfate anionic hydrocarbon surfactant.

## TYPICAL PROPERTIES AT 77°F (25°C)

Specific gravity	- 1.24 g/ml
Refractive Index	- 1.406
Actives	- 40%
Fluorine	- 16%
pH	- 8.6
Viscosity	- 160 cps.

## ENVIRONMENTAL IMPACT

Chemguard FS-100 is a 75% biodegradable mixture. It is a strong foamer which would likely require the use of a defoamer prior to going to treatment facilities.

Please refer to Chemguard Technical Bulletin regarding foam products and the environment.

## STORAGE

Store at 50 – 100 deg F. At low temperatures, product viscosity increases and reduces pumping rate.

## ORDERING INFORMATION

Chemguard FS-100 is available in 55 and 330-gallon plastic bulk drums or can be shipped in bulk.

Part No. CFSD	55 Gal. Drum (208 l)
Part No. CFSBD	330 Gal. Bulk Drum (1249 l)

## SHIPPING WEIGHT

55 Gal. Drum	504 lbs.
330 Gal. Bulk Drum	3200 lbs.