

3% Fluoroprotein Foam Concentrate

Description

Chemguard CP2305 is a UL Listed fluoroprotein foam concentrate containing fluorinated surfactants in a carefully formulated protein foam liquid base. This ensures the production of a stabilised fluid foam which will cover a burning hydrocarbon fuel surface rapidly.

The water soluble fluorosurfactant makes the foam hydrocarbon repellent and reduces the amount of burning particles absorbed by the foam in fighting the hydrocarbon fuel fires.

Once the fire extinction has been achieved the high stability of the foam blanket ensures against the risk of reignition and provides excellent protection against burn back should any inaccessible pockets of fire remain.

Chemguard CP2305 should be used at 3% proportioned solution (3 part concentrate in 97 parts of water) in fresh or seawater.

TYPICAL PROPERTIES

Appearance	Dark Brown Liquid
Specific gravity @ 20°C	1.15g/ml +/- 0.03
Viscosity approx @ 20°C	10 +/- 4 Centistokes
pH	5.5 - 8.0
Freezing Point	5F (-15C)
Sediment Volume	0.20% maximum

Listings and Approvals

UL standard 162 (7th Edition)

- Foam quality tests
- Class B Hydrocarbon fuel fire tests
- Foam identification tests
- Tests of shipping containers

Application

Chemguard CP2305 is intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuels. Chemguard CP2305 can be applied directly onto the fire surface and is also suitable for sub surface injection. It is compatible with all dry chemical powders and can be used in powder/foam twin agent systems.



PROPORTIONING

Chemguard CP2305 can easily be proportioned at the correct dilution using conventional equipment such as:

- Inline inductors.
- Balanced pressure, variable flow proportioning systems
- Bladder tanks.
- Around the pump proportioning systems.
- Water turbine driven foam proportioners.
- Self inducing branch pipes and nozzles.

Performance

The fire performance of Chemguard CP2305 is measured against standards such as Underwriters Laboratories Standard UL 162 at 3% concentration. The expansion will vary depending on the performance characteristics of the equipment used. Typical expansion ratios range from 6:1 to 12:1 for air aspirating discharge devices, 5:1 to 7:1 for foam chambers and 2:1 to 4:1 for sub surface injection.

STORAGE

Stored in original unbroken packaging the product will have a long shelf life. The recommended storage temperature range of Chemguard CP2305 is from -15°C to 49°C. As with all protein based materials, shelf life will be dependant on storage temperatures and conditions. Freezing and thawing will have no impact on the performance. If stored in an atmospheric storage tank, a ¼" layer of mineral oil may be added to minimize evaporation after the tank is filled. Refer to the manual of the storage tank for more information.

SAFETY AND HANDLING

See our corresponding "Material Safety data sheet".

COMPATIBILITY

There are no specifications or standards which address the subject of compatibility of different manufacturer's brands of fluoroprotein foam concentrates. In an emergency or if the manufacturer has supporting test data to substantiate that the mixture meets the same requirements as the individual component concentrates, they may be mixed together in the same storage vessel.

Different types of foam concentrates, i.e., AFFF and fluoroprotein base should not be mixed under any circumstances.

Ordering Information

Part No.	Container	Weight
CP2305P	6.6 Gal (25L)	67 lb
CP2305D	55 Gal (208L)	555 lb

*CP2605 can be supplied in cans, drums, totes or Bulk
Contact us for Bulk delivery details.*

Quality Assurance

CP2305 – as with all TYCO Products – is subject to very stringent quality controls throughout all stages of production, from incoming raw to the complete product and is manufactured in an ISO 9001:2008 controlled facility. Quality assurance is therefore guaranteed.