



FireFighter® PG38



FireFighter PG38

Pre-mixed Antifreeze for Wet Fire Sprinkler Systems

PRODUCT DESCRIPTION

FireFighter PG38 is a non-toxic, propylene glycol-based antifreeze for use in all types of wet fire sprinkler systems, with the exception of CPVC and galvanized. FireFighter PG38 is factory pre-mixed to NFPA guidelines of a 38% propylene glycol solution by volume. All fire sprinkler systems utilizing FireFighter PG38 should conform to local, state, and NFPA requirements. The use of antifreeze within these systems should also conform to NFPA requirements.

APPLICATIONS

FireFighter PG38 antifreeze is used in any environment where the potential exists for freezing conditions. When used undiluted, FireFighter PG38 protects against freeze damage failure and ensures flow in wet fire sprinkler systems.

SIZES

- 1-gallon plastic bottles
- 5-gallon pails
- 30-gallon drums
- 55-gallon drums
- 275 or 330-gallon totes
- 5000-gallon tank truck

- **Accurate Factory Pre-Mix**

Complies with NFPA guidelines

- **Blended with deionized water**

No minerals for scale formation

- **Non-Toxic***

FDA Classification of Generally Regarded as Safe (G.R.A.S.) to humans and animals



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INSTALLATION

- Evacuate all water from system and drain drops according to NFPA requirements.
- FireFighter PG38 should be tested prior to introduction into the system.
- Do not dilute or add concentrate to FireFighter PG38.
- After filling the system, follow NFPA guidelines for testing the antifreeze. Fluid samples should be tested from a minimum of a high point and low point, and should be comparable to both each other and to the sample of the fluid tested prior to introduction into the system.
- NFPA requires a tag to be affixed to the riser indicating the date tested or replaced, the type and concentration by volume of fluid used, system capacity (in volume), contractor name and license number, and a statement indicating if the entire system was drained and replaced with antifreeze. Tags are available free of charge from Noble Company or your local FireFighter distributor.

SYSTEM PROTECTION

% of FireFighter PG38	Freeze Point	Flow Point	Burst Point	Specific Gravity @77° F / 25° C
100	0°F	-15°F	-50°F	1.037

Freeze Point is the temperature where the first ice crystal forms in the fluid.

Burst point is the temperature where the fluid is solid, expanding and bursting the vessel.

FireFighter ACCESSORIES



The **Palm Abbe** refractometer is fast, convenient, and easy to use. Simply place a drop or two of fluid in the titanium well and press a button. The custom-designed microprocessor is temperature compensating and delivers readings for glycerin and propylene glycol for both percentage by volume and freeze point. Accuracy of +/- .10 % .



The **analog refractometer** features a propylene glycol coolant temperature scale and is made of polybutylene terephthalate (PBT) thermoplastic. The rubber insulated grip protects samples from heat; hood eliminates excess light. Model includes a dipstick/flexible sampling pump.

SYSTEM REQUIREMENTS, LIMITATIONS & CAUTIONS

All fire protection sprinkler systems that use FireFighter PG38 should conform to local, state and NFPA requirements. The use of antifreeze within these systems should also conform to NFPA requirements.

Use of antifreeze solutions should also be in conformance with any state or local health codes. Please contact your local health authorities if you have any questions concerning the codes in your area.

Chemicals which compose FireFighter PG38 can break down over time. NFPA 25 requires that the freezing point of the system should be tested at least once a year. Periodic testing of systems is critical to maintaining the proper concentration and freeze point of the fluid. Leaks, pressure surges, and temperature changes to the system can cause antifreeze to flow out of the system or water to flow into the system changing the freeze temperature.



FDA REFERENCE

FireFighter PG38 is considered “Generally Recognized as Safe” by the Federal Food & Drug Administration. Non-Toxic is used to describe extremely low chronic and acute toxicity. No maximum safe intake for humans has been established.

TOXICOLOGICAL, ENVIRONMENTAL, & HEALTH INFORMATION

FireFighter PG38 is virtually harmless to animals or plants; however, the disposal of these materials should be in conformance with national, state, and local health codes.

