

FROST-PROOF GL48

48% GLYCERINE

FPGL-SPEC

PRODUCT DESCRIPTION

PRODUCT

FROST-PROOF GL48 Anti-Freeze Solution and Heat Transfer Fluid

DESCRIPTION

FROST-PROOF GL48 Anti-Freeze is a non-toxic, glycerine based anti-freeze for all types of wet fire sprinklers systems that provides burst protection to -50°F (-46°C).

RECOMMENDED USES

FROST-PROOF GL48 is a 48% pre-blend that conforms to NFPA standards to allow for direct replacement of anti-freeze in wet fire sprinkler systems. No dilution is required.

FROST-PROOF GL48 when used undiluted, will protect against freeze damage and ensure flow in the system.

See freeze protection chart below.

COLOR/CONSISTENCY

Clear Liquid

ENVIRONMENTAL STATEMENT

FROST-PROOF GL48 is non-toxic, nonflammable and non-corrosive. **FROST-PROOF GL48** will not support bacterial growth in the system and eliminates the possibility of contaminating domestic and potable water systems.

FROST-PROOF GL48 Anti-Freeze Solution is "Generally Recognized as Safe" (GRAS) by the Federal Food and Drug Administration. All fire protection systems that use **FROST-PROOF GL48** need to conform to local, state and NFPA requirements.

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APPLICATION PRECAUTIONS

Due to the molecular structure of glycerine all connections in the system must be completely sealed and air tight to avoid seepage of the solution. All fire protection sprinkler systems that use **FROST-PROOF GL48** must conform to local, state and NFPA requirements. Disposal of **FROST-PROOF GL48** should be in conformance with national, state and local health codes. Biodegradation under aerobic static laboratory conditions is high (BOD20 or BOD28/ThOD greater than 40 percent). It is expected that biodegradation will be achievable in a secondary wastewater treatment plant.

WEIGHT PER U.S. GALLON

9.47 lbs. (4.29 kg) ± 0.2

PACKAGING

U.S. Measure:

Stock Code	Size
Plastic Jug w/ Spout	
FPGL1	1 gal. (3.785 L)
5 Gallon Plastic Pail w/ Handle	
FPGL5	5 gal. (18.9 L)
55 Gallon Drum	
FPGL55	55 gal. (208 L)
275 Gallon Tote	
FPGL275	275 gal. (1040 L)

SHIPPING WEIGHT PER CASE

Stock Code	Case Weight	#/Case
FPGL1	57 lbs. (25.9 kg)	6
FPGL5	44 lbs. (20.0 kg)	1
FPGL55	500 lbs. (226.8 kg)	1
FPGL275	2500 lbs. (1134 kg)	1

DIRECTIONS FOR USE

1. Empty the entire system through faucets, petcocks, and other openings; then close all openings.

2. Replace all liquid with an equal amount of **FROST-PROOF GL48** to obtain -50°F (-46°C) burst protection. Do not add any additional water or concentrated glycerine to the system.

3. After filling the system, follow NFPA guidelines for testing the system. Fluid samples should be tested from both a low and high point on the system.

4. NFPA requires a service tag to be affixed to the riser indicating; the date last tested or replaced, type and concentration of fluid in system, total volume of the system, contractor responsible for servicing the system (include license number), and statement indicating the entire system was drained and replaced with **FROST-PROOF GL48**.

5. **FROST-PROOF GL48** can remain in the system all year. NFPA 25 requires that the freeze point of the anti-freeze be tested annually before the onset of freezing weather.

100% FROST-PROOF GL48	
Freeze Point	-15°F (-26°C)
Flow Point	-25°F (-32°C)
Burst Point	-50°F (-46°C)
Specific Gravity @ 77°F / 25°C	1.137



FlameGuard®
EverTUFF®
CTS CPVC Approved



FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® pipe and fittings. FBC™, FlowGuard Gold®, BlazeMaster®, and Corzan® are licensed trademarks of the Lubrizol Corporation.



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