



FireFighter[®] HIGH-PERFORMANCE ANTIFREEZE FOR FIRE SPRINKLER SYSTEMS

ELIMINATOR

CORROSION INHIBITOR AND MICROBIOLOGICAL PROTECTION FOR ALL SPRINKLER PIPES **1330[™]**

PRODUCT INFORMATION GUIDE



FireFighter ELIMINATOR 1330

FireFighter Eliminator 1330 is a UL-listed Factory Pre-Mixed Antifreeze for Wet Fire Sprinkler Systems.

FireFighter Eliminator 1330 is a non-toxic antifreeze solution designed specifically for use in wet fire sprinkler systems. Use in place of water in sprinkler systems where freezing may either cause damage or interfere with the functioning of systems or equipment and/or toxicity to humans or animals is a concern.

The following materials are compatible with FireFighter Eliminator 1330:

Steel Piping, Brass Materials, Stainless Steel Piping, Black Steel, Copper, Bronze, Cast Iron, CPVC, PEX, EPDM, Natural Rubber, Nitrile Rubber, Styrene Butadiene Rubber, Fusion Bonded Epoxy Coated Ductile Iron, Butyl Rubber



When using glycerine in metallic pipe systems, or any situation where threaded connections exist, be aware that the molecular structure of glycerine relative to water may allow glycerine to seep out of connections which are loose or poorly sealed, even if water alone does not seep out of the system. Seepage will reduce glycerine concentration and decrease the level of freeze protection.

UNDERWRITERS LABORATORIES AND WHY BEING LISTED IS IMPORTANT

Effective October 1, 2022, wet fire sprinkler systems utilizing antifreeze will be limited to the use of an agency-listed product. Noble Company has developed a high-performance antifreeze that meets UL2901 standards, while offering a unique level of protection for multiple threats to fire sprinkler systems.

FireFighter Eliminator 1330 combines superior freeze protection with a bio-static MIC corrosion preventative, neutralizing any concerns over the two biggest threats to wet fire sprinkler systems; failure due to freezing and microbiologically influenced corrosion.



Antifreeze Solutions for Use in Fire Sprinkler Systems
File #EX28252



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® piping systems and products made with TempRite® Technology.

MIC PROTECTION

FireFighter Eliminator 1330 contains MIC Preventative and Corrosion Inhibitors. Microbiologically influenced corrosion (MIC) is metal deterioration and corrosion as a result of the metabolic activity of various microorganisms. This type of corrosion applies to non-metallic objects as well as metals.

AVAILABILITY

FireFighter Eliminator 1330 is available throughout the U.S. through wholesale distributors. Please contact Noble Company for your local representative and wholesaler.

FIREFIGHTER ELIMINATOR 1330 PRODUCT OFFERING GUIDE



5-gallon pail
Part: 49005



30-gallon drum
Part: 49030



55-gallon drum
Part: 49055



275-gallon tote
Part: 49275



330-gallon tote
Part: 49330

NON-TOXIC

MIC PREVENTATIVE

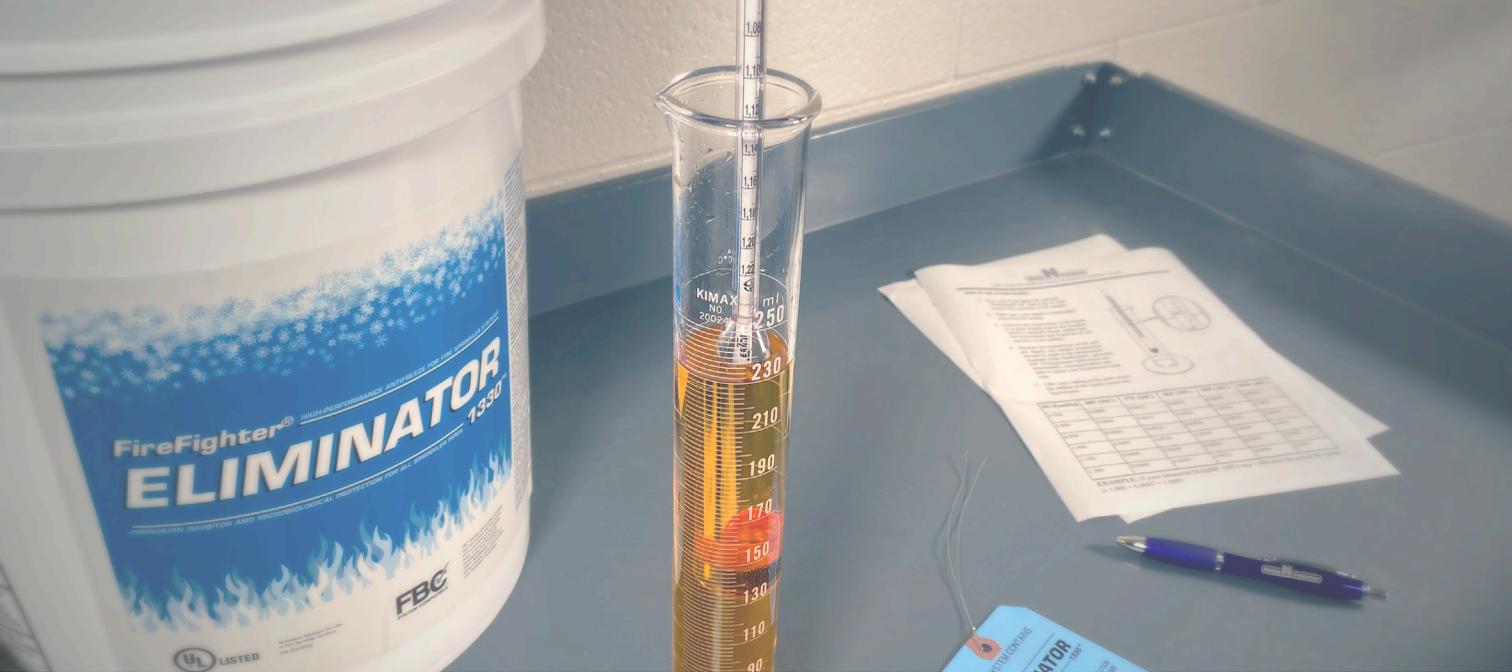
FREEZE POINT: -20°F

CORROSION INHIBITOR

TYPICAL PROPERTIES

Appearance	Liquid, Orange
Freeze Point	-20°F (-28°C)
Minimum Use Temp	-17°F (-27.2°C)
Density at 77°F (25°C)	69.75 #/ft ³ (1.118 gr/ml)
pH	7.8 - 10.0 at 68°F (25°C)
Conductivity	5959-6999 μS/cm
Specific Gravity	1.142 - 1.158 at 77°F (25°C)
Viscosity	7.7 cps at 70°F (21.1°C) 151.5 cps at -17°F (-27.2°C)
Pour Point	-14.8°F (-26°C)

COMPATIBLE WITH ALL SPRINKLER PIPES



Chemicals which compose FireFighter Eliminator 1330 can break down over time.

NFPA 25 requires that the freezing point of the system 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.

TESTING FIREFIGHTER ANTIFREEZE

To test the freeze protection level of FireFighter Eliminator 1330, a laboratory-grade hydrometer must be used.

When testing indicates that the solution has fallen out of the acceptable range for specific gravity, drain the system according to NFPA requirements and replace with new FireFighter Eliminator 1330 according to the current written installation instructions and all NFPA requirements.

Do not add concentrate or dilute.

For further information concerning correct testing procedures and test instruments, contact our technical services department at (800) 878-5788 or visit our website at www.noblecompany.com.

TESTING ACCESSORIES

HYDROMETER

- For testing the freeze point
- Use for testing glycerine
- Available for purchase through Noble Company



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 Eliminator 1330 distributor.



SYSTEM REQUIREMENTS, LIMITATIONS, & CAUTIONS

All fire protection sprinkler systems that use FireFighter Eliminator 1330 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.

Copper Tube Type L		Schedule 40 Pipe		CPVC Pipe		PEX Tubing	
Tubing Size	Gallons of Fluid/100 ft.	Tubing Size	Gallons of Fluid/100 ft.	Tubing Size	Gallons of Fluid/100 ft.	Tubing Size	Gallons of Fluid/100 ft.
½"	1.210	1"	4.82	¾"	3.188	⅝"	0.50
¾"	2.510	1 ¼"	8.29	1"	5.018	½"	0.92
1"	4.280	1 ½"	11.107	1 ¼"	7.997	⅝"	1.34
1 ¼"	6.520	2"	18.42	1 ½"	10.471	¾"	1.83
1 ½"	9.250	2 ½"	24.87	2"	16.369	1"	3.03
2"	16.060	3"	38.40	2 ½"	23.953		
2 ½"	23.780	4"	66.13	3"	35.530		

Numbers are approximate as per ASTM requirements. Dimensional data is subject to manufacturing tolerances and may vary by brand.

FireFighter Eliminator 1330 INSTALLATION INSTRUCTIONS EXCERPT

FOR COMPLETE INSTALLATION INSTRUCTIONS, REFER TO THE FIREFIGHTER ELIMINATOR 1330 DESIGN AND INSTALLATION INSTRUCTIONS

EXISTING SYSTEMS:

- 1. INSPECT ALL SPRINKLERS** for mechanical damage, corrosion, and evidence of leakage. If any of these conditions are present, replace the sprinkler per NFPA 25.
- 2. SYSTEMS SHOULD BE AIR-TIGHT** to prevent leakage. Air vents are recommended to reduce the oxygen in the system.
- 3. USE WATER TO CONDUCT A COMPLETE FLUSH** of branch lines and mains to prevent potential risks of contaminants. The water shall be completely removed from the system prior to introducing FireFighter Eliminator 1330.
- 4. PRIOR TO FILLING THE SYSTEM** with FireFighter Eliminator 1330, use an appropriate hydrometer to test the FireFighter Eliminator 1330 to demonstrate compliance to property ranges on **Page 3**.

NOTICE: Storing or carrying the antifreeze solution in any container other than the original may introduce contaminants and reduce the functional life of the solution.

- 5. FILL THE SYSTEM** with FireFighter Eliminator 1330 Antifreeze. For FireFighter Eliminator 1330 to work correctly, purge as much air as possible from the system. Accelerated corrosion may occur where air pockets exist in the system.
- 6. AFTER FILLING THE SYSTEM** with FireFighter Eliminator 1330, test the system again to verify the solution has not been diluted with remaining liquids in the system. Take samples of the solution from a high and low point in the system. The test results from the samples should be the same before and after installation for the installation to be successful.

If the test results are NOT within the designated ranges, contact Noble Company technical support at (800) 878-5788.

NEW SYSTEMS:

- 1. MAKE CERTAIN THE SYSTEM HAS BEEN OUTFITTED** with air vent valve(s) and fluid sampling valve connections per the plans provided by the system designer. The upper sampling valve(s) should be easily accessible by contractors. The drain valves should be located and oriented in a way that allows a variety of connections with ease.
- 2. SYSTEMS SHOULD BE AIR-TIGHT** to prevent leakage. Air vents are recommended to reduce the oxygen in the system.
- 3. USE WATER TO CONDUCT A COMPLETE FLUSH** of branch lines and mains to prevent potential risks of contaminants being present. Perform a pressure test per NFPA 13, 13R, 13D, to ensure no leakage is present. Loss can be determined by drop in gauge pressure or visual leakage. The water shall be completely removed from the system prior to introducing FireFighter Eliminator 1330 Antifreeze to the system.
- 4. PRIOR TO FILLING THE SYSTEM** with FireFighter Eliminator 1330 Antifreeze, use an appropriate hydrometer to test the solution to demonstrate compliance to property ranges on **Page 3**.

NOTICE: Storing or carrying the antifreeze solution in any container other than the original may introduce contaminants and reduce the functional life of the solution.

- 5. FILL THE SYSTEM** with FireFighter Eliminator 1330 Antifreeze. The use of a pump with a backflow preventer and pressure capabilities to get the system to the supply pressure is recommended. For FireFighter Eliminator 1330 Antifreeze to work correctly, purge as much air as possible from the system. Accelerated corrosion may occur where air pockets exist in the system.
- 6. AFTER FILLING THE SYSTEM** with FireFighter Eliminator 1330 Antifreeze, test the system to verify the solution has not been diluted. Take samples of the solution from a high and low point in the system. The test results from the samples should remain within the designated ranges before and after installation.



SAFE & NON-TOXIC

FDA REFERENCE

FireFighter Eliminator 1330 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 Eliminator 1330 is virtually harmless to animals and plants. The disposal of this material should be in conformance with national, state, and local health codes.

TECHNICAL SUPPORT

Specifications, installation design, installation techniques, and unique applications will be reviewed upon request.

Address inquiries **ATTN: FireFighter Technical Support**, Email: sales@noblecompany.com, or phone us at: **(800) 878-5788**.

Additional product information and Safety Data Sheet are available immediately through our website at www.noblecompany.com.

Field services are available through factory representatives and Noble Company staff.

Contact Noble Company for your local representative.



ADDITIONAL PRODUCT INFORMATION AND SAFETY DATA SHEET ARE AVAILABLE ON OUR WEBSITE AT www.noblecompany.com



Noble Company is a proud member of:

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