



FM 670   
 FM 671   
 FM 672   
 FM 673 



SPECIALTIES FOR MAINTENANCE  
& SANITATION SINCE 1947

## DELTA Frost

### FM 670 / 671 / 672 / 673

- **DeltaFrost 60:** 60% uninhibited propylene glycol solution
- **DeltaFrost 90:** 90% uninhibited propylene glycol solution
- **DeltaFrost 60 Plus:** 60% propylene glycol solution plus corrosion inhibitors
- **DeltaFrost 90 Plus:** 90% propylene glycol solution plus corrosion inhibitors

## RECOMMENDED USE

- HVAC SYSTEMS
- INDUSTRIAL CHILLERS
- AUTOMOTIVE RADIATORS
- CONSTRUCTION EQUIPMENT
- SOLAR HEATING SYSTEMS
- AND MANY OTHERS

### PROTECT EQUIPMENT, ENSURE PEAK PERFORMANCE WITH PROPYLENE GLYCOL

**FREEZE PROTECTION** — Reliable freeze and burst protection for equipment operating in cold climate or pipes in de-icing, defrosting and dehumidifying systems

**CORROSION INHIBITION** — “Plus” formulas contain a proprietary blend of inhibitors to protect metal from corrosion, extending the lifespan of expensive equipment

**LEAK DETECTION** — Includes a yellow dye for easy identification of leaks

**HEAT TRANSFER EFFICIENCY** — Ensures optimal heat transfer for HVAC systems and industrial chillers, maintaining peak performance. Non-flammable, Non-toxic alternative to Ethylene Glycol

**VERSATILE APPLICATION** — Winterize and protect a wide range of equipment including HVAC Systems, Industrial Chillers, Construction Machinery, Agricultural Equipment, Piping Systems and more

**PACKAGED IN 55 GAL DRUMS OR 300 GAL TOTES**



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# TECHNICAL DATA

FM 670, 671, 672, 673 DELTAFROST

Rev. 1-14-24

**DESCRIPTION:** Our DeltaFrost Propylene Glycol solutions are versatile, non-flammable, and low-toxicity fluids designed for use in industrial equipment and HVAC systems. Available in both inhibited and uninhibited forms, and in 60% and 90% concentrations, these solutions provide excellent thermal stability, freeze protection, and options for corrosion prevention for a wide range of equipment. Many commercial and industrial water systems, particularly closed systems, are required to operate while exposed to freezing temperatures, making it necessary to suppress the freezing point of water in order to protect the system from freezing or bursting pipes.

**APPLICATION:** **HVAC SYSTEMS:** Ensures optimal heat transfer and freeze protection in heating, ventilation, and air conditioning systems.

**INDUSTRIAL CHILLERS:** Used in cooling and refrigeration systems to prevent freezing and enhance heat transfer.

**AUTOMOTIVE RADIATORS:** Provides antifreeze protection and corrosion inhibition for vehicle cooling systems.

**CONSTRUCTION EQUIPMENT:** Protects the cooling systems of machinery such as excavators and bulldozers in cold climates.

**SOLAR HEATING SYSTEMS:** Maintains efficient heat transfer and prevents freezing in solar water heating applications.

**DIRECTIONS:** **Preparation:** Ensure the system is clean and free of contaminants. Drain any existing fluid and flush the system if necessary.

**Mixing:** The solutions are pre-mixed and ready to use. No dilution is required unless an alternate dilution is preferred.

**Filling the System:** Slowly add the solution to the system to prevent air pockets. Use a transfer pump if necessary for larger systems.

**Checking Concentration:** Verify the glycol concentration using a refractometer or glycol tester to ensure it meets the required levels for freeze protection and corrosion inhibition (if applicable).

**Monitoring and Maintenance:** Regularly test the glycol concentration and pH levels. Adjust as needed to maintain optimal performance. Replace the solution as recommended by the system manufacturer.

**FREEZE POINT PROTECTION:**

60% Solution: Provides freeze protection down to approximately -50°F (-45°C).  
90% Solution: Provides freeze protection down to approximately -100°F (-73°C).

**BURST POINT PROTECTION:**

60% Solution: Offers burst protection down to approximately -100°F (-73°C).  
90% Solution: Provides enhanced burst protection for extreme conditions.

**INHIBITED VS. UNINHIBITED SOLUTIONS:**

**INHIBITED SOLUTIONS:** Contains a proprietary blend of corrosion inhibitors that protect metal surfaces from corrosion. This makes them ideal for systems with metal components, extending the lifespan and maintaining the efficiency of the equipment.

**UNINHIBITED SOLUTIONS:** Do not contain corrosion inhibitors. These are suitable for systems where corrosion is not a concern or where other corrosion prevention methods are already in place. Uninhibited solutions are often chosen for their simplicity and cost-effectiveness in specific applications.

**PRECAUTIONS:** **Personal Protective Equipment (PPE):** Wear appropriate PPE, including gloves and safety glasses, when handling the solutions.

**STORAGE:** Store in a cool, dry place away from direct sunlight and heat sources. Keep containers tightly closed when not in use.

**SPILL AND LEAK PROCEDURES:** In case of a spill, contain and collect the solution for disposal. Clean the affected area with water and a mild detergent.

**COMPATIBILITY:** Compatible with most metals used in industrial systems, including copper, brass, steel, and aluminum. Not recommended for use with galvanized steel or systems with significant existing corrosion (for uninhibited solutions).

**FIRST AID MEASURES:** In case of skin or eye contact, rinse thoroughly with water. If ingested, do not induce vomiting; seek medical attention immediately.

\* Before using this product, read the Safety Data Sheet (SDS) for more detailed information regarding safe handling.