THERMAL CHARGE®

ICE RINK APPLICATIONS

PROPERLY MAINTAINING AN ICE RINK'S SURFACE REQUIRES MORE THAN A ZAMBONI

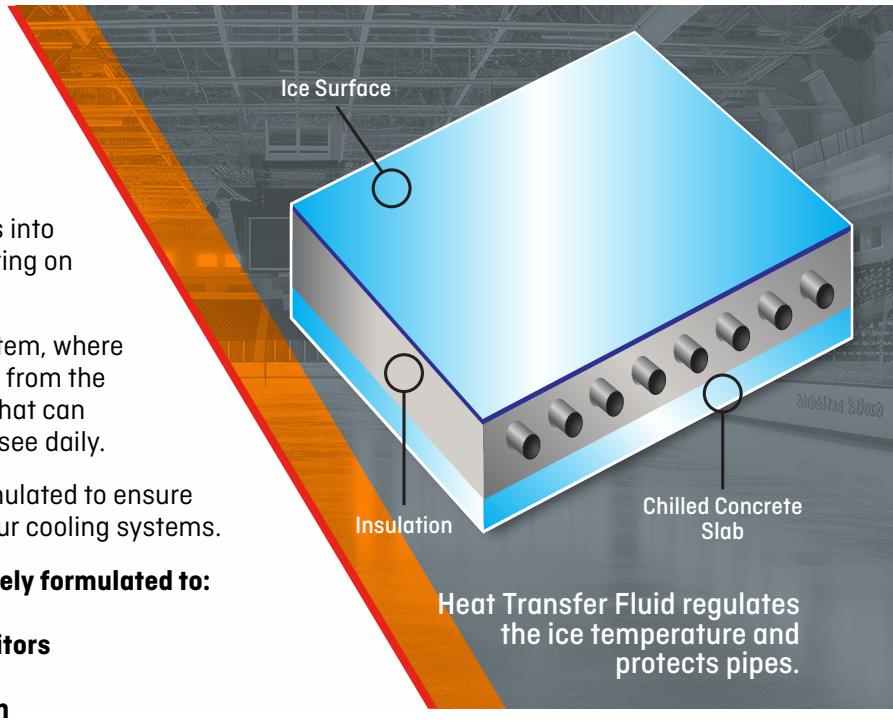
In ice rink applications, refrigeration equipment chills heat transfer fluid and circulates it through a network of pipes beneath the rink surface.

As the cold fluid circulates, a thin coating of water freezes into a smooth layer of ice by extracting any heat that is collecting on the floor.

The fluid is then recirculated back to the refrigeration system, where the extracted heat is separated from the fluid and ejected from the system. This continuous process creates an ice surface that can withstand the rigors of continuous activity most ice rinks see daily.

Thermal Charge® heat transfer fluids are specifically formulated to ensure optimal temperature control while extending the life of your cooling systems.

Thermal Charge® PG & EG Heat Transfer Fluids are uniquely formulated to:
- **Maintain the proper temperature of the ice surface**
- **Protect the pipes from corrosion with proprietary inhibitors**
- **Minimize maintenance and upkeep**
- **Ensure the facilities' long-term uninterrupted operation**



THE SOLUTIONS USED IN ICE RINK APPLICATIONS ARE ALSO USED GLOBALLY ACROSS MANY APPLICATIONS, INCLUDING:

- Food industry for refrigeration and chilling of dairy products
- Building and construction industry for HVAC systems (heat ventilation and air conditioning)
- Chill water loops and thermal energy storage
- Hydronic heating and snow melt systems

THERMAL CHARGE® EG

THERMAL CHARGE® EG is an ethylene glycol-based fluid that is widely used for heating applications and secondary cooling systems, for burst and freeze protection of pipes, and for various deicing, defrosting, and dehumidifying applications. This product is fluorescent pink and can be used for leak detection.

THERMAL CHARGE® PG

THERMAL CHARGE® PG is a propylene glycol-based fluid that contains a specially formulated package of industrial inhibitors that help prevent corrosion. Because propylene glycol fluids have a lower acute oral toxicity compared to ethylene glycol-based formulas, THERMAL CHARGE® PG is often used in applications where incidental contact with food or beverage products could potentially occur. This product is available in clear/colorless, orange, blue, and pink*

**Blue and Pink available in select dilutions.*

The fluid is manufactured with ingredients classified as Generally Recognized as Safe (GRAS) by the FDA and is recommended for use within food & beverage processing area where incidental contact with food may occur. Only products bearing the NSF Mark are registered with NSF.
Note: please reference specification sheet.

Old World Industries Sales Contact

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For further information, visit www.thermalcharge.com or call 1-800-323-5440 for sales manager referral.

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