

THE ART OF WINEMAKING CAN BE MORE THAN JUST THE GRAPES

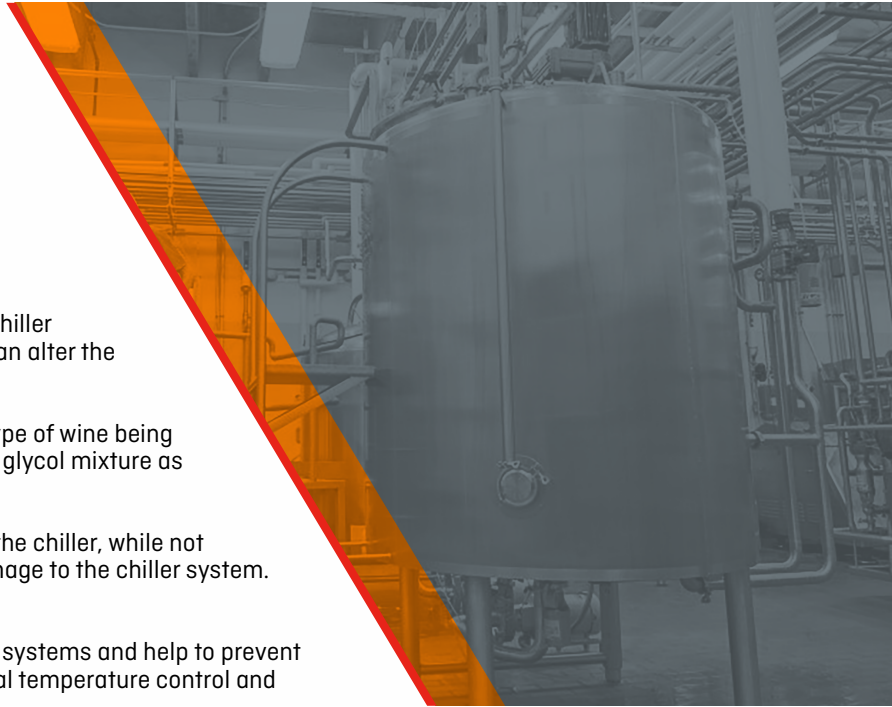
In winemaking applications, glycol-based heat transfer fluids are a necessary part of seasonal operations. Used in winemaking vats, fermentation tanks, and storage tanks, heat transfer fluids ensure temperature consistency during the fermentation and maturation process, as well as for cold stabilization.

To maintain reliability and optimal freeze and burst protection, winemakers must use the proper ratio of glycol to water in the chiller system. Even small temperature changes during this process can alter the vintage.

Depending on the ambient temperature of the facility and the type of wine being produced, the average winery uses an approximate 30% to 40% glycol mixture as their coolant liquid.

Too much glycol will increase costs and decrease efficiency of the chiller, while not enough glycol could lead to freezing, and if left unchecked, damage to the chiller system. Don't risk damage to your equipment.

THERMAL CHARGE® will support the efficient operation of these systems and help to prevent corrosion and fouling of heat transfer surfaces to ensure optimal temperature control and longer equipment life.



THE SOLUTIONS USED IN WINERY APPLICATIONS ARE ALSO USED GLOBALLY ACROSS MANY OTHER APPLICATIONS, INCLUDING:

- Food industry for refrigeration and chilling of food and beverage products
- Hydronic heating and snow melt systems
- Chill water loops and thermal energy storage
- Geothermal (ground source heat pumps) and solar hot water heating
- Building and construction industry for HVAC systems (heat ventilation and air conditioning)

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 as 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, pink, blue and orange.



**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.



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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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