



### Product Information Bulletin

## ***INTERCOOL® AA (Aluminum Alloy) Inhibited Glycols***

**INTERCOOL® AA** (Aluminum Alloy) is sold nationally on a direct basis and through only a few selected distributors. This direct sales philosophy gives us the ability to control costs, insure quality control and provide the best service possible.

**INTERCOOL® AA** fluids are industrially inhibited ethylene glycol and propylene glycol-based fluid designed for use where significant amounts of aluminum is present. The AA fluids have an operating range of -60°F to 250°F. In applications where toxicity is a concern, propylene glycol, which has very low chronic toxicity, is preferred over the moderately acute oral toxicity of ethylene glycol. Examples would be applications where accidental contact with food or beverage products might occur or where contact with potable water is possible. In some areas propylene glycol use is mandated by law. Where an FDA approved fluid is required we can supply INTERCOOL P-323 AA; an inhibited FDA approved propylene glycol, aluminum safe product.

**INTERCOOL® AA** products are specifically formulated with corrosion inhibitors with excellent buffering characteristics that will neutralize corrosive acids while providing fluid stability and corrosion control for most metals of construction. The AA fluids are formulated to a 7.5 pH which is critical for use with aluminum systems.

**INTERCOOL® AA** products are available as pre-blended fluids only. We do NOT provide Intercool AA products as a concentrate.

**FREEZE PROTECTION** - Freeze protection depends on the operating condition of the system and is important in cases where no ice crystals are permitted to form, or where insufficient expansion areas can allow for the slush formation. A glycol solution should be capable of maintaining a freeze point at least 5° F below the lowest expected ambient temperature.

**RECOMMENDATIONS BY ANALYSIS** - The corrosion inhibitors in heat transfer fluids can become depleted in time. INTERCOOL® inhibitors are designed to replenish all inhibitors or only those that have exhausted their service life. INTERSTATE Chemical Company maintains a modern, fully equipped laboratory at Hermitage, PA. staffed with five full time chemists. We offer a unique and comprehensive testing program. This service is free for INTERCOOL® heat transfer fluid customers. We perform routine analysis on glycols, alcohols and dilution water as well as special analysis requests. All analysis are performed to ASTM standard test methods.



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