

# SOLID START BEGININGS

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The Solid Start Family has been developing and manufacturing chemicals for almost 40 years. Solid Start has researched and tested products successfully for applications in the Heavy Industrial, Automotive, Racing, and Military industries.

The family has sold products in more than 100 countries. They challenged themselves to engineer a solution to increase the operational efficiency in A/C and Refrigeration systems without adding chemically reactive or altering additives. Their Cold-Plus Formula is the amazing result of that challenge.

In the mid-1970s, brothers Larrell and Dale Willis began developing PTFE (Polytetrafluoroethylene) treatment formulas, taking advantage of the fact that PTFE has the lowest coefficient of friction of any solid, and is thus more slippery than any other solid substance known to man. Willis' research and development efforts produced a clear focus on problem areas and potential solutions for several major industries.

In the mid-1980s, they formed QMI, of Lakeland, Florida, where their formula development grew to include hydraulic, gear and pneumatic treatments beyond PTFE, to a wide range of fuel treatments and other industrial products.

Unlike other products, Cold-Plus is not an additive, it is a treatment. This means that Cold-Plus only needs to be used once for the lifetime of the system to provide the following benefits:

1. Cleans and removes oil-fouling.
2. Provides boundary lubrication throughout the system that is more slippery than the lubrication used in the system.
3. This boundary lubrication is not only more slippery, but also chemically inert; meaning it does not interact or react with other system chemicals/components.
4. Speeds up pool boiling not only by removing oil-fouling, but also by means of nuclei polymers that increase nucleation and thus quickens the thermodynamics of the entire process.

Halcyon Material LLC The Metal Treatment Representatives