SPLASH RV/Marine Antifreeze Facts

The **burst point** of SPLASH RV/Marine Antifreeze is the temperature at which a sealed crosslinked polyethylene pipe filled with the undiluted product will burst. Burst points are a standard created by the plumbing industry in the 1930s to indicate the relative strength of antifreeze. They have since become synonymous with the name of antifreeze products used for winter storage. Burst points help consumers choose the proper product based on the lowest expected temperatures for their specific area.

A **freeze point** is the temperature at which fluid has frozen to the point that it has formed crystals and will no longer flow, but has not yet begun to expand. Freeze points may be determined using refractometers and hydrometers.

Hydrometers are made to provide Propylene Glycol (PG) or Ethylene Glycol (EG) strength readings. Hydrometers and refractometers cannot be used to measure SPLASH RV Antifreeze accurately to determine freeze point or burst point because SPLASH RV Antifreeze is a blend.

Most hydrometers purchased at auto supply stores are designed for use with EG so they cannot be used to test PG antifreeze.

A PG refractometer will not give accurate freeze point readings for antifreeze containing blends of PG, glycerin and or ethanol.

Because the stored system is not in use, preventing ice crystals is not necessary, and to do so would require the use of a more expensive product with a higher PG content. As an example, the -50°F antifreeze has a freeze point of +20°F while the -100°F antifreeze has a freeze point of about -20°F.

However, as the temperature drops the solution begins to solidify and expand, putting pressure on pipes that can lead to damage. This is why it is important to select an antifreeze that will provide burst protection appropriate for a specific region's lowest anticipated temperatures. Products providing lower burst point temperatures contain higher concentrations of PG and are thus more expensive, but they will provide the protection needed in the event of extreme weather. Note: Antifreeze containing alcohol and PG are not recommended for engine and pump use; those formulas are designed for use in water systems.

SPLASH RV/Marine Antifreeze is offered in -50°F, -75°F, & -100°F.