

## 1. SAFETY CHECKLIST

- **Confirm chemical compatibility** of product being stored with that of the polyethylene tank and fittings.
- **Vent tanks** as required to prevent pressure or vacuum from developing as the tank is filling or emptying. Unrestricted (no screen) vent size must exceed size of tank's largest inlet or outlet nozzles by one inch. With exceptionally high rates of intake or discharge, larger vents could be required. The vents should be sized to limit maximum pressure or vacuum to 6 inches of water, (.217 psi). If tank has two inlets or outlets, add the size of the two nozzles together to determine the minimum vent size. Screened vent size must exceed size of tank's largest inlet or outlet nozzles by two inches.
- **Prevent excessive heat near or inside the tank.** Polyethylene tanks are designed for a maximum continuous temperature of 100°F.
- **Have and use Material Safety Data Sheets** (MSDS) for the product being stored.
- **Regard tanks as confined spaces.** Follow proper entry procedures.
- **Make sure ladders are properly secured,** top and bottom. Allow only one person on a ladder at a time.
- **Avoid standing and working on tank domes.** The surface is flexible and slippery. There is no weight or load rating for the dome.
- **Do not move tanks while holding liquid and never allow personnel under a tank when it is being lifted!**