



GatesFacts™ Technical Information Library
Gates Compass™ Power Transmission CD-ROM version 1.2

The Gates Rubber Company
Denver, Colorado USA



Poly Chain® GT® Belt and pH Level

Poly Chain GT will not have any immediate adverse affects from being exposed to a liquid with a pH level of 8-10. If the liquid is in constant contact (bath or spray), the tensile cord will eventually degrade, causing premature belt failure. We cannot predict how much reduction in service life will result. Thorough testing is strongly recommended.

Note:

A pH of 7 is considered to be a neutral solution in the 0 to 14 pH range. A pH of 8 or greater is considered to be a basic solution, and a pH of 6 or less is considered an acid solution. The further you move up or down from 7, the more dramatic the damage to the belt - both textile and elastomer components. This depends also on time of contact and temperature of the solution. No significant studies have been conducted on belts and pH values.