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BORAX 40% SOLUTION

ArroChem's Borax 40% Solution, also known as sodium borate solution, is a clear, colorless liquid, derived from naturally occurring borax minerals. Borax solution is widely used in various industrial, commercial, and household applications due to its versatile properties, including buffering capabilities, detergent properties, and fire-retardant features.

General Characteristics:

Appearance:	Clear, colorless liquid
Solubility in Water, 25°C:	Completely soluble
Specific Gravity:	~1.26 g/cm ³ at 25°C
pH, 1% Solution:	Alkaline; typically around pH 9 – 10



APPLICATION:

Borax 40% Solution finds diverse applications across different industries, including but not limited to the following:

- **Cleaning and Detergents:** It is used in household and commercial cleaning products as a builder, surfactant, and water softener to enhance the cleaning efficiency.
- **Fire Retardant:** Borax solution is employed as a fire-retardant additive in various materials, such as wood, textiles, and cellulose-based products.
- **Metallurgy:** In metallurgical processes, it is used as a flux for soldering, brazing, and welding operations.
- **Corrosion Inhibitor:** Borax acts as a corrosion inhibitor in cooling and heat transfer systems, providing protection against metal corrosion.
- **pH Buffer:** It serves as a pH buffer in various industrial and laboratory applications.
- **Preservative:** Borax solution is used as a preservative in certain products, extending their shelf life.