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## LA-4

ArroChem's LA-4 is a specialty chemical additive used as a wetting/emulsifying agent, lubricant & anti-wear agent in industrial applications. It is formulated to provide excellent lubrication & protection to various mechanical systems, helping to reduce friction, wear, & heat generation. LA-4 is designed to enhance the performance & longevity of machinery & equipment. LA-4 is compatible with other nonionic, cationic, or anionic agents. It can provide lubricity attributes with minimum foam generation. LA-4 is primarily recommended for wetting, detergent & emulsifying applications.

### General Characteristics:

Appearance:	Clear, Slightly Hazy Liquid
Chemical Composition:	POE (4) Lauryl Alcohol
Solubility in Water, 25°C:	Insoluble in water
Specific Gravity:	~0.9 g/cm <sup>3</sup> at 20°C (68°F)
Ionic Nature:	Non-ionic



### APPLICATION:

LA-4 is recommended for use in a variety of industrial and mechanical applications, including but not limited to the following:

- **Machinery Lubrication:** Suitable for lubricating various types of machinery, such as pumps, compressors, gearboxes, and circulating systems.
- **Metalworking:** Used in metal cutting and forming processes to reduce friction and extend tool life. LA-4 is used as an emulsifier for metal working fluids.
- **Raw Material:** LA-4 is a raw material used in the production of phosphate esters & carboxylates.
- **Hydraulic Systems:** Suitable for hydraulic systems to reduce wear and improve system efficiency.
- **Bearings:** Used to lubricate rolling and sliding bearings in industrial applications.
- **Textile & Cleaning:** Used in Textile & Cleaning industries to achieve stable emulsions.