

DePHOS 4AL

DePHOS 4AL is a low to moderate foaming anionic phosphate ester in free acid form. Suggested for use as a lubricant, corrosion inhibitor, and emulsifier in metalworking applications. Highly effective for aluminum machining applications.

SPECIFICATIONS

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|------------------------------|--|
| Appearance @ 25°C: | Clear, colorless to pale yellow liquid |
| Color (Gardner): | 2 max. |
| % Moisture: | 2 max. |
| Acid Value II (pH 9.0 -9.5): | 155 - 175 |
| pH (5% in 50/50 IPA/DW): | 3 max. |

SOLUBILITY DePHOS 4AL is dispersible in water and oils. It is soluble in aliphatic and other solvents as well as alcohols.

TYPICAL PROPERTIES

Density @ 25°C ~1.03 g/ml

- Low to moderate foam
- Hydrotrope
- Good Wetting
- Corrosion inhibitor
- Lubricant for aluminum machining
- Emulsifier

APPLICATIONS

- Metalworking formulations
- Rolling oils
- Emulsion Cleaner
- Alkaline cleaners

Continued

DATA

DePHOS 4AL exhibits low to moderate foam, surface tension reduction, and is a good hydrotrope for nonionic surfactants in alkaline systems.

