CG 516 Technical Date Sheet

1. Chemical Composition

Chemical Name: 2-ethylhexyl phosphate, mixture of mono- and di-

CAS #: 12645-31-7

2. Product Description

CG 516 is a mixture of mono- and di- 2-ethylhexyl phosphate. It is a colorless clear liquid at ambient in its pure form. The industrial grades may be light yellow. CG 516 is primarily used as a surfactant. It is also widely used in lubricants and greases, coating products and fertilizers, inks, and cleaning products.

3. Applications

The applications of CG 516, mixed 2-ethylhexyl phosphate ester, include, but are not limited to,

- Surfactant
- Emulsifier
- Friction modifier
- Anti-rust agent
- Anti-wear agent

CG 516 is widely used in many industries, which include, but are not limited to,

Lubricants and greases, coating products and fertilizers, inks and cleaning products, etc.

4. Typical Chemical and Physical Properties

Property	Results
Appearance, 25 °C	Light yellow clear liquid
pH value, 1% aqueous solution	2.5
Water, % wt	0.5
Acid value, mg KOH/g	310

5. Packaging

200 kg / drum or 441 lbs / drum

1,000 kg / Tote, 2,204 lbs / Tote

6. Handling and Storage

Recommended handling temperature: Ambient temperature preferred, 60 °C Max.

Storage: the product is recommended to be stored in cool and dry areas. Direct sunlight should be avoided. Ambient temperature is highly recommended for long-term storage.

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