



*Customized Performance \* Innovative Expertise*

**NAXONAC® 690-70**

**Product Data Sheet**

## ALKYL PHENOL ETHER PHOSPHATE

**Description:** NEASE CORPORATION offers a growing list of phosphate esters under the NAXONAC® trade name. As an anionic surfactant, one of the main advantages of phosphate esters is their stability and solubility in alkali systems. They can be used as hydrotropes to couple nonionic surfactants systems which are not soluble and at the same time increase wetting and detergency properties. The presence of the phosphate group imparts some interactions with metallic surfaces, thereby exhibiting some anti-corrosion and metal-adhesion characteristics. They can be used as additives in oil and water-soluble lubricant systems to improve lubricity, anti-frictional properties of the formula. Phosphate esters also find use as emulsifiers in emulsion polymerization.

**CAS #**  
68412-53-3

NAXONAC 690-70 is an alkyl phenol ether phosphate designed to meet your needs as an emulsifier imparting corrosion resistance, in emulsion polymerization of vinyl acetate and highly carboxylated acrylics and to enhance detergency in alkaline systems. Does not discolor when used to dedust alkaline powders.

<b>Typical Properties:</b>		
Appearance		Colorless, pale yellow liquid
Specific Gravity @ 25°C		1.12
Density (lbs/gal)		9.34
Flash Point, (open cup)		> 400 °F
Melting Point		Approximately -10°C
Boiling Point, °F		> 500 °F
Solubility in Water		Soluble
Viscosity, approximately		1104 – 1578 cps

<b>Product Specifications:</b>	<b>Property</b>	<b>Specification</b>
Appearance		Colorless, pale yellow liquid
Water Content, wt. %		35.0 – 37.5
Monoester, %		23.0 – 30.0
Solids, %		62.5 – 65.0
pH		1.5 – 2.5
Color (Gardner)		2 Maximum

**Applications:** Industrial Cleaners, Metal Prep and Working, Personal Care, Textile Dye Manufacture

**Storage and Handling:** Keep container tightly closed when not in use. Store in cool and well ventilated area. Do not store in unlined metal containers as the phosphoric acid will react with the metal to liberate flammable hydrogen gas.

**Availability:** 55 gallon drum, 275 gallon tote

**Chemical Control Law Status:** This product is in compliance with the inventory listing requirements of the Chemical Control Laws in the following countries: United States of America, Canada, Europe, Australia and Korea.

### **Transport Regulations**

Shipping Description: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric acid)  
Hazard Class: 8 ID Number: UN 3264 Packing Group: III Label: Corrosive

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#### Limited Warranty

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