



*Customized Performance * Innovative Expertise*

NAXONAC® 690-50

Product Information 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 690-50 is a diluted version of Naxonate 690-70 for ease of handling. It 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.

Typical Properties:		
Appearance		Colorless, pale yellow liquid
Specific Gravity @ 25°C		1.10
Density (lbs/gal)		9.17
Flash Point, (open cup)		> 400 °F
Melting Point		Approximately 5 - 13°C
Boiling Point, °F		> 500 °F
Solubility in Water		Soluble

Product Specifications:	Property	Specification
Appearance		Colorless, pale yellow liquid
Water Content, wt. %		48.75 – 51.25
Monoester, %		18 – 23.5
Solids, %		48.75 – 51.25
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

NEASE CORPORATION
4480 Lake Forest Dr., Ste. 312, Cincinnati, OH 45242
Customer Service: 888-762-7373

www.neasecorp.com

Limited Warranty

The products sold by Nease Corporation ("Seller") shall conform to the Seller's current published specifications. Seller makes no other warranty, express or implied, including warranty of merchantability or fitness for particular use, whether product is used singly or in combination with other substances or in any process. Nothing contained herein should be considered as a recommendation for use of any product or method in violation invalid of any patent now effective or which may issue hereafter. Prior testing for fitness for use and compliance with all applicable statutes by the user is a strict condition on the sale of any and all of Seller's products.