



Product Focus • Customer Commitment • Performance Flexibility

NAXONAC® T50

Product Data Sheet

Polyoxyethylene tridecyl ether, Phosphate

Description:

Catexel Nease LLC 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 #

9046-01-9

NAXONAC® T50 is a polyethylene alkyl ether phosphate designed to meet your needs as an emulsifier in production of acrylics, vinyl-acrylics and styrene-acrylics emulsion polymers. It can be converted to its salt form for use in emulsion polymerization. This product is very effective in the production of emulsion polymers that are very stable.

Typical Properties:

Appearance	Colorless, pale yellow liquid
Specific Gravity @ 25°C	1.18
Density (lbs/gal)	9.79
Flash Point, (open cup)	> 200 °F
Melting Point	13 - 15°C
Solubility in Water	Soluble

Product

Specifications:

Property	Specification
Appearance	Colorless, pale yellow liquid
Water Content, wt. %	19.0-21.0
Acid number (1 st infl.)	90.0-100.0
Color (Gardner)	2 Maximum

Applications: Latex paints, Adhesives, Paper coatings, Emulsion polymers and Textiles

Storage and Handling: Store covered in a dry, well ventilated area. Keep container tightly closed when not in use. Prevent from freezing. Store material above 20°C (68°F).

Availability: 55 gallon drum, 275 gallon tote

Chemical Control

This product is in compliance with the inventory listing requirements of the Chemical Control Laws in the following countries: United States of America, Canada (NDSL), Europe, Korea, and Japan

Law Status:

Transport Regulations

Shipping Description: DOT Non-Regulated
Hazard Class: NA ID Number: NA Packing Group: NA Label: None

Catexel Nease LLC

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Limited Warranty

The products sold by Catexel Nease LLC ("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 of any valid 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.