



*Product Focus • Customer Commitment • Performance Flexibility*

**NAXONAC<sup>®</sup> 8104**

**Product Data Sheet**

## C6-12 Alkyl alcohol ethoxylate phosphoric acid

**Description:** Nease Co. LLC offers a growing list of phosphate esters under the NAXONAC<sup>®</sup> 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 #**  
68921-24-4

NAXONAC<sup>®</sup> 8104 is a complex mixture of monoester and diester of alkyl alcohol ethoxylate phosphoric acid with proven hydrotropic ability in liquid formulations. It is effective as a surfactant in heavy duty alkaline liquid formulations.

NAXONAC<sup>®</sup> 8104 is soluble in high electrolyte systems. It is very useful as solubilizer and corrosion inhibitor in various sanitary and industrial cleaning formulations.

<b>Typical Properties:</b>	Appearance	Clear to yellow liquid
	Specific Gravity @ 20°C	1.03
	Flash Point, (open cup)	> 201 °F
	Solubility in Water	Soluble

<b>Product Specifications:</b>	<b>Property</b>	<b>Specification</b>
	Appearance	Clear to yellow liquid
	Water Content, wt. %	1.5 Max
	Acid number (1 <sup>st</sup> infl.)	115.0-135.0
	pH (10% solution)	1.0-3.0
	Color (Gardner)	1.0 Max

**Applications:** Household and industrial detergents, corrosion inhibitor, heavy duty alkaline detergent, sanitary and industrial cleaners, pulp and textile chemicals

**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 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 (NDSL), Europe, Korea, and Japan

**Transport Regulations**

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

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### Limited Warranty

The products sold by Nease Co. 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.