

# Technical Data Sheet

## ENDIPHOS™ TR-421 SURFACTANT

REVISION DATE: 08/08/2024

### CHEMICAL NAME

Phosphate Ester

### DESCRIPTION

Endiphos™ TR-421 Surfactant is a water soluble phosphate ester with exceptional stability in alkali systems with outstanding compatibility in concentrated electrolyte solutions.

### APPLICATIONS

Alkaline cleaners  
Dry-cleaning detergents  
Hard surface cleaners  
Multipurpose cleaners

**CAS Number:** 68130-47-2

**EINECS Number:** 614-291-2

### FEATURES AND BENEFITS

Acid form  
Coupling agent  
Excellent detergency and foaming  
Water-soluble  
Wetting agent

### TYPICAL PROPERTIES

<b>Acid number, mg KOH/g</b>	190 to 205
<b>Acid number @ pH 5.5, mg KOH/g</b>	105 to 120
<b>Color, Gardner</b>	1 maximum

### FORMULATING TIPS

Compatible and stable in concentrated electrolyte solutions.  
Effective in coupling non-ionic surfactants with liquid, alkali detergent systems.

**Recommended Use Level:** 1% to 40% as is.

### STORAGE AND PACKAGING

Store in a clean, dry area. Store in closed containers above 7°C and below 49°C. Recommended retest period is 365 days from the date of manufacture.

# Technical Data Sheet

PRODUCT NAME

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REVISION DATE: 02/20/2024