

# Technical Data Sheet

## ENDIPHOS™ TC-227 SURFACTANT

REVISION DATE: 08/08/2024

### CHEMICAL NAME

Phosphate Ester

### DESCRIPTION

Endiphos™ TC-227 Surfactant is a very versatile aromatic phosphate ester that can be used in a wide range of HI&I applications as a detergent, emulsifier, wetting agent and coupling agent. It can also be used as a drilling fluid additive.

### APPLICATIONS

Alkaline cleaners  
Dairy cleaners  
Dry-cleaning detergents  
Floor strippers  
Heavy-duty, all-purpose cleaners  
Lubricant and detergent for oil drilling  
Metal-working cleaners

**CAS Number:** Confidential

**EINECS Number:** Confidential

### FEATURES AND BENEFITS

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

### TYPICAL PROPERTIES

|                              |                              |
|------------------------------|------------------------------|
| <b>Appearance</b>            | light yellow to amber liquid |
| <b>Acid number, mg KOH/g</b> | 95 to 120                    |
| <b>Color, Gardner</b>        | 3 maximum                    |

### FORMULATING TIPS

Soluble in most oxygenated, aromatic, and chlorinated solvents.  
Can be readily neutralized with amines and alkalis.  
Compatible and stable in concentrated electrolyte solutions.  
**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