

# Phosflex<sup>®</sup> 375

**Phosflex<sup>®</sup>**  
Flame Retardant Plasticizers

**Chemical Name:** Proprietary blend of phosphate esters

**CAS #:**

T-butylphenyl diphenyl phosphate	56803-37-3
Triphenyl phosphate	115-86-6
Alkyl diphenyl phosphate ester	Proprietary

## Overview

Phosflex 375 is a proprietary plasticizer blend containing an alkyl diphenyl phosphate and a triaryl phosphate ester to offer both reasonable plasticizing performance in addition to enhanced flame retardant properties.

This mixture is useful in a number of PVC applications including wallcovering, transparent sheet goods, laminated products or any other flexible vinyl composite requiring a high degree of flame retardancy. In general, Phosflex 375 shows excellent plasticizing characteristics and compares well to isopropylated TPP phosphate esters (Phosflex 31L/41L).

## Typical Properties:

Physical appearance	Clear, transparent liquid
Phosphorus content wt. %	8.3
Specific gravity 20°C/20°C	1.150
Density @ 20°C lbs/gal	9.6
Density @ 20°C kg/m <sup>3</sup>	1150
Viscosity @ 25°C mPa.s	48
Acidity mg KOH/g	0.10
Water content wt. %	0.10
Color APHA	<100

## Thermogravimetric Analysis

(10°C/min. in nitrogen):

2% wt. loss	219°C
5% wt. loss	240°C
10% wt. loss	257°C

## Safety & Handling

Consult the Safety Data Sheet for this product.

Shipping Information

Available in bulk tank trucks, isocontainers, 2,300 lb totes, and 480 lb drums.



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