

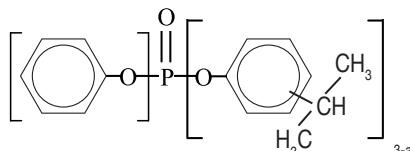
# Phosflex® 31L

**Phosflex®**  
Flame Retardant Plasticizers

**Chemical Name:** Isopropylated triphenyl phosphate ester

**CAS #:**

Isopropylphenyl diphenyl phosphate 68937-41-7  
Triphenyl phosphate 115-86-6



## Overview

Phosflex® 31L is a substituted triaryl phosphate ester made exclusively from synthetic feedstocks. It has excellent flame retarding characteristics, which are typical of the triaryls. This flame retarding efficiency permits back-blending with non-flame retarding plasticizers, resulting in favorable economics and wide flexibility to formulators. While used primarily in PVC formulations, Phosflex® 31L finds compatibility and utility in other resin systems as well.

## Typical Properties:

Physical appearance	Clear, transparent liquid
Phosphorus content wt. %	8.3
Specific gravity 20°C/20°C	1.179
Density @ 20°C lbs/gal	9.84
Density @ 20°C kg/m³	1179
Viscosity @ 25°C mPa.s	60
Acidity mg KOH/g	0.10
Water content wt. %	0.10
Color APHA	<75

## Thermogravimetric Analysis

(10°C/min. in nitrogen):

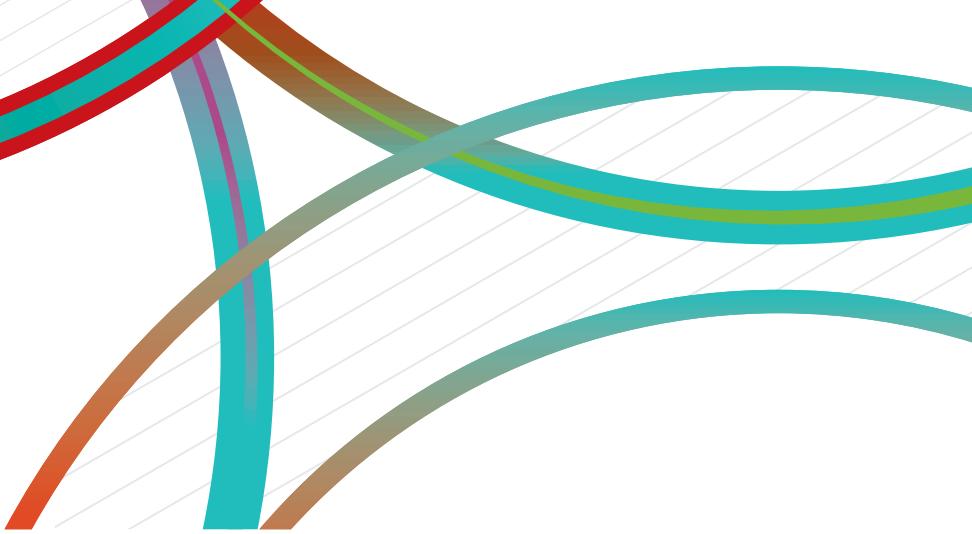
2% wt. loss	208°C
5% wt. loss	229°C
10% wt. loss	248°C

## Safety & Handling

Consult the Safety Data Sheet for this product.

Shipping Information

Available in bulk tank trucks, isocontainers, 2,500 lb totes, and 533 lb drums.



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For more information about our products and to place an order, please contact one of our regional sales offices.

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