

# SANTICIZER® 1439

Proprietary

## Fire Retardant Plasticizer

Santicizer® 1439 is a modified alkyl aryl phosphate ester for flexible PVC products that must meet stringent flame retardancy standards. Santicizer® 1439 is specially recommended for plastisol applications where lower viscosity is combined with high fire-retardancy of the end product. Santicizer® 1439 exhibits superior flow properties compared to triaryl phosphate esters at equal concentrations. Santicizer® 1439 can be used at lower concentrations for similar flame spread without affecting tensile properties. Typical end use products for Santicizer® 1439 are fire retardant synthetic leathers, conveyor belts, vinyl coated substrates and flame retardant sealants. Santicizer® 1439 is also an excellent fire retardant in polyurethane applications.

## Benefits

- A very active fire suppressant replacing other plasticizers which may act as fuels
- Combines the advantages of good flexibility at low temperatures and high efficiency
- Well suited for low viscosity plastisol
- More effective at lower concentrations compared to triaryl phosphates

## Typical Properties

Appearance	Clear Liquid
Color (APHA)	100 max
Moisture (% by KF)	0.15 max
Specific Gravity (25°C)	1.129-1.145
Viscosity (cP @ 25°C)	51
Flash Point (open cup, °C)	220

## Safety and Handling

Complete toxicity and handling information can be found on the Safety Data Sheet (available upon request).

## Valtris Overview

Valtris is a global leader in specialty chemical additives and precursors, offering innovative solutions and products to customers around the world. With strong technical expertise and best-in-class formulation capabilities, we develop products that provide essential performance properties to plastics, coatings, adhesives and sealants, pharmaceuticals, flavor and fragrance, and personal care products. For more than 75 years, we have served as a trusted partner for customers by providing exceptional service and high-quality products. [www.valtris.com](http://www.valtris.com)

## Customer Service & TDS Requests

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