

## NAUGARD™ P phosphite

### Phosphite Antioxidants

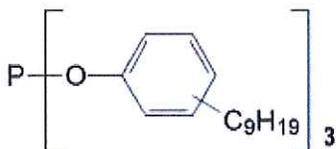
#### Description

**NAUGARD™ P phosphite** is a cost effective secondary liquid phosphite antioxidant that functions as a peroxide decomposer and as a processing stabilizer. When used in conjunction with hindered phenolic and thiodipropionate antioxidants, a synergism is seen. In addition to improved antioxidant activity of these combinations, **NAUGARD™ P phosphite** also inhibits discoloration of the polymer caused by some phenolic antioxidants. Polymer applications include polyolefins, styrenics and a variety of other polymers.

#### Product Features

- FDA regulated
- Non-discoloring
- Liquid physical form
- Economical
- Low volatility

#### Chemical Structure



#### Typical physical properties of NAUGARD™ P phosphite

Appearance	Clear viscous liquid
Specific Gravity @ 25°C (77°F)	0.978
Color – Gardner	2
Molecular weight [g/mol]	688
Viscosity @ 25°C (77°F)	5,200 cps
Flash Point (TOC)	221°C
Pour Point	-7°C

**Solubility @ 25°C**

<b>Soluble @ 25°C</b>	<b>Gms/100 ml</b>	<b>Insoluble @ 25°C</b>	<b>Gms/100ml</b>
Acetone	>100	Methanol	<2.3
Hexane	>100	Water	<0.1
Petroleum Ether	>100		

**Food Contact**

For details please contact SI Group Regulatory Affairs.

**Handling and Storage**

This product may be stored at least one and one half (1½) years in sealed containers. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat could decrease product shelf life. Containers should be kept sealed when not in use. If stored outside in cold weather, the drums should be warmed to facilitate pouring. Open drums should be used as soon as possible to avoid hydrolysis, especially during humid weather. Open drums should be used within a four (4) month period to avoid hydrolysis.

**For additional handling and toxicological information consult the SI Group Material Safety Data Sheet**