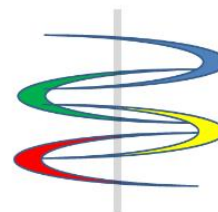


PRODUCT DATA



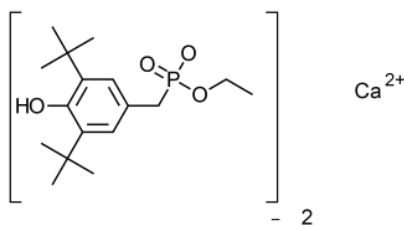
INTERSPERSAL

SperseStab™-1425 Thermal Stabilizer / Catalyst

Overview

SperseStab 1425 is a high molecular weight Phenolic antioxidant containing phosphonate located para to the phenol. This orientation provides excellent color and low gas fading in a UV stable antioxidant. The calcium salt acts as soluble catalyst; especially for the esterification of rosin esters. Additionally, SperseStab 1425 works as a catalyst in the solid state polymerization of PET polymers. Other applications include; polyolefin, fibers, adhesives and lubricating oils and greases.

Chemical Name: Phosphonic acid, P-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl] methyl]-, monoethyl ester, calcium salt (2:1)
CAS Number: 65140-91-2
Chemical structure:



Properties

Product form: Powder
Melt point: >260°C
Specific Gravity(20C): 1.21 g/m³
Transmittance (425nm): 95% min
Transmittance (500nm): 98% min
Volatility: <0.5% max
Molecular Weight: 695

Solubility

Acetone	0.02	n-Hexane	0.02
Ethanol	<0.1	Toluene	0.5
Methanol	8.0	Water	0.24
Ethyl Acetate	0.03		

Characteristics & Advantages

- Synergistic with secondary antioxidants and UV stabilizers
- Non-discoloring
- Improvement of process and high temperature stability
- Low volatility
- Works as a catalyst in solid state polymerization
- Prevents discoloration
- Reduces aceteldehyde generation
- Extensive FDA clearances
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Storage

This product may be stored up to two years in a sealed container. Containers should be kept tightly closed when not in use and stored in a cool, dry place.

Safety

Please consult the Safety Data Sheet (SDS) prior to handling or using this product.

FDA Regulations

Cleared for use under 21 CFR §178.2010 in polypropylene, polyethylene, adhesives, rosins and rosin derivatives. Can also be used for side seam cement formulations, petroleum alicyclic hydrocarbon resins, resins and polymers used as components of paper and paperboard, closures with sealing gaskets, finished rubber articles, reinforced wax, and PET polymers.

Important notice

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license.

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