Tinhibitor™ 1705 Polymerisation Inhibitor

Introduction

Tinhibitor™ 1705 is a polymerization inhibitor that is used to prevent the unwanted polymerization of monomers and oligomers during their storage and handling. Tinhibitor™ 1705 is an effective and widely used inhibitor in various industrial applications, particularly in the polymerization of alkenes, unsaturated polyesters, and polyurethanes.

Chemical Name

Tris(1-hydroxy-2,2,6,6-tetramethylpiperidin-4-yl) phosphite

CAS Number

2122-49-8

Chemical Formula

$C_{27}H_{51}N_3O_6P_3$

Molecular Weight

544.68

Physical Properties

Appearance	Red Powder
Melting Point (°C)	Min.125
Volatile Loss (%)	Max.0.5
Ash (%)	Max.0.1
Purity (%)	Min.95.0

Benefits & Applications

Tinhibitor™ 1705 has better performance than traditional inhibitors like phenols,Aromatic amines, ethers, quinones, and nitro compounds.

Tinhibitor™ 1705 is mainly used as the specific inhibitor of the high-temperature resistant vinyl monomer, which is widely applied in the production of Olefins monomer, acrylates, methacrylate, acrylic acid, acrylonitrile, styrene, butadiene, vinyl chloride, unsaturated polyester, as well as in the synthesis of the multi-functional acrylic acid ester of light-solidified active diluent.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

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This product may be stored up to two years in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

Packing

Tinhibitor™ 1705 is supplied in 25Kg Carton Box.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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We disclaim liability for any incidental or consequential damages.