Tinhibitor™ 1702 Polymerisation Inhibitor

Introduction

Tinhibitor™ 1702 is a new type of free radical polymeric inhibitor with high efficiency and wide application.

Chemical Name

2,2,6,6-tetramethyl-4-oxopiperidinooxy

CAS Number

2896-70-0

EINECS Number

220-778-7

Chemical Formula

$C_9H_{16}NO_2$

Molecular Weight

170.23

Physical Properties

Appearance	Orange to Red Powder
Melting Point (°C)	37-41
Water Content (%)	Max.2.0
Ash (%)	Max.0.1
Purity (%)	Min.93.0

Solubility

Soluble in water, ethanol, benzene and organic solvents.

Benefits & Applications

Good anti-polymerization effect under the condition of oxygen without oxygen;
Low melt point.

Tinhibitor™ 1702 can be used to prevent polyolefin monomers from self-polymerization during production, separation, refining, storage or transportation.
Tinhibitor™ 1702 can be used to control and regulate the degree of polymerization of olefin and its derivatives in organic synthesis.
Tinhibitor™ 1702 can be used in acrylate, methacrylate, acrylic acid, acrylonitrile, styrene and butadiene. It is better than that of phenols, aromatic amines, ethers, quinones and other inhibitors.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid

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unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

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™ 1702 is supplied in 180Kg Drum.

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.