Sustainable Innovation for a Better Future

PowerNox™ 420 Antioxidant

Introduction

PowerNox™ 420 is a non - benzene ring antioxidant based on hydroxylamine.

Chemical Name

Bis(hydrogenated tallow C16-18-alkyl)hydroxylamine

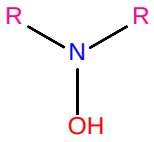
CAS Number

143925-92-2

EINECS Number

418-370-0

Chemical Structure



R: C_{16}~C_{18} Alkyl Chains

Chemical Formula

$C_{36}H_{75}NO$

Molecular Weight

538

Physical Properties

Appearance	White to off white powder
Melting Point (°C)	96-98
Volatiles (%)	Max.0.5

Volatility

Weight Loss (%)	Temperature (°C)
5	265
10	271
50	315

Benefits & Applications

PowerNox™ 420 is a very strong melt processing stabilizer with excellent color retention, high compatibility, low volatility, and storage stability at high temperatures. Its outstanding properties exceed those of conventional blocked phenol antioxidants. Its performance can be further optimized.

PowerNox™ 420 is especially suitable for use in polypropylene fiber, automotive TPO.

PowerNox™ 420 Antioxidant

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.

This product may be stored up to one year 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

PowerNox™ 420 is supplied in 20Kg Carton.

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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