

PowerStab™ 2020 HALS UV Stabilizers

Introduction

PowerStab™ 2020 is a high molecular weight hindered amine light stabilizer, with excellent compatibility, low volatility, migration resistance. It combines exceptionally high UV and long-term thermal stability in the presence of polymers, and has synergetic effect with antioxidants and UV absorbers.

Chemical Name

1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with N-butyl-1-butanamine and N-butyl-2,2,6,6-tetramethyl-4-piperidinamine

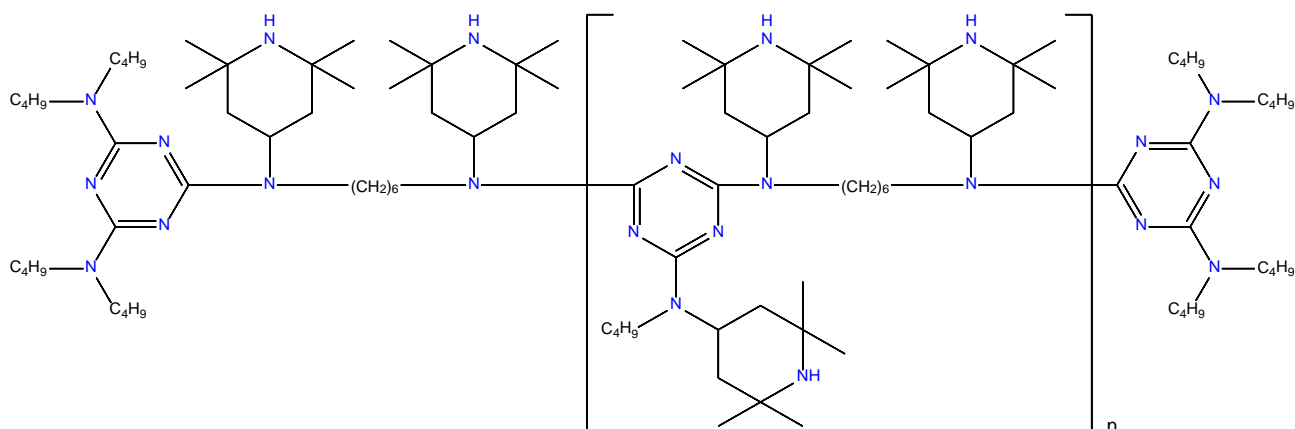
CAS Number

192268-64-7

EINECS Number

606-265-4

Chemical Structure



Molecular Weight

2600-3400 g/mol

Physical Properties

Appearance	White to light yellow granule
Color of Solution 425nm (%)	Min.93
Color of Solution 450nm (%)	Min.95
Color of Solution 500nm (%)	Min.97
Melting point(°C)	120-135
Volatiles (%)	Max. 0.5



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Ash (%)	Max. 0.1
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Benefits & Applications

PowerStab™ 2020 is suitable for all polyolefin materials, especially: Polypropylene (PP) fibers and staple fibers, PP fibers and yarns for automotive interiors and carpets, PP spun-bond nonwovens for colored, outdoor and high-temperature applications.

It can also be used with other light stabilizers, antioxidants and UV absorbers, to further improve the antiaging effect of materials.

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

PowerStab™ 2020 is supplied in 25kg 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.

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.