

# PowerStab™ 119

*New Materials Creating New Performances*

**Quality Products.  
Dependable Service.**

## CHEMICAL NAME

N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl) amino) triazin-2-yl)-4,7-diazadecane-1,10-diamine

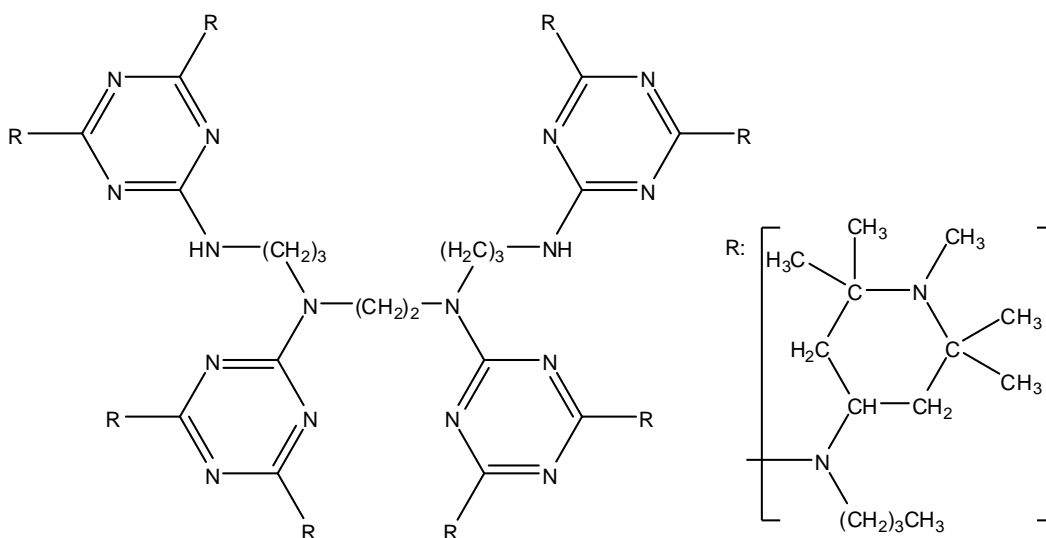
Synonym:

1,5,8,12-tetrakis[4,6-bis(N-butyl-N-1,2,2,6,6-pentamethyl-4-piperidylamino)-1,3,5-triazin-2-yl]-1,5,8,12-tetraazadodecane;

1,3,5-Triazine-2,4,6-triamine,

N2,N2'-1,2-ethanediylbis[N2-[3-[4,6-bis[butyl(1,2,2,6,6pentamethyl-4-piperidyl)amino]-1,3,5-triazin-2-yl]amino]propyl]-N4,N6-dibutyl-N4,N6bis(1,2,2,6,6-pentamethyl-4-piperidyl)-

## CHEMICAL STRUCTURE



## INTRODUCTION

PowerStab™ 119 is a high molecular weight hindered amine light stabilizer. It provides outstanding thermal oxidative stability as well as light stability in polyolefins, especially in

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talc-filled PP and TPO.

## PHYSICAL PROPERTIES

CAS No.	106990-43-6
EC No.	401-990-0
Formula	C <sub>132</sub> H <sub>25</sub> ON <sub>32</sub>
Molecular Weight	2286
Specific Gravity <sub>[20°C]</sub>	1.03
Vapor Pressure <sub>[20°C, Pa]</sub>	4.7E-11
Melting Point(°C)	115-150
Average Particle Size	1 mm
Volatiles(%)	Max.0.5
Color of Solution 425nm(%)	Min.90
Color of Solution 500nm(%)	Min.95
Appearance	Pale Yellow Powder
Ash(%)	Max.0.1
Solubility (20°C)	% w/w
Acetone	6
Chloroform	>100
Ethyl acetate	50
n-Hexane	7
Methanol	1
Toluene	94
Water	<0.01

## APPLICATIONS

PowerStab™ 119 is a high molecular weight hindered amine light stabilizer (HALS) which is effective in a broad range of polymers and applications, including polyolefins (PE, PP), TPO, styrenic polymers (ABS, ASA), polyamide fibers, polyurethanes, and elastomers. The advantages of the product render it particularly useful in PE-based agricultural films,

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PP fibers, and talc-filled PP and TPO automotive parts. It is also useful in powder coatings where it contributes to the triboelectric effect as well as providing light stability.

## HANDLING AND 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™ 119 is supplied in 20kg PE bag (600kg to pallet), cardboard boxes containing 2 x 20kg (480kg to pallet), Pallet type: CP3.

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