

# PowerStab™ 3346

*New Materials Creating New Performances*

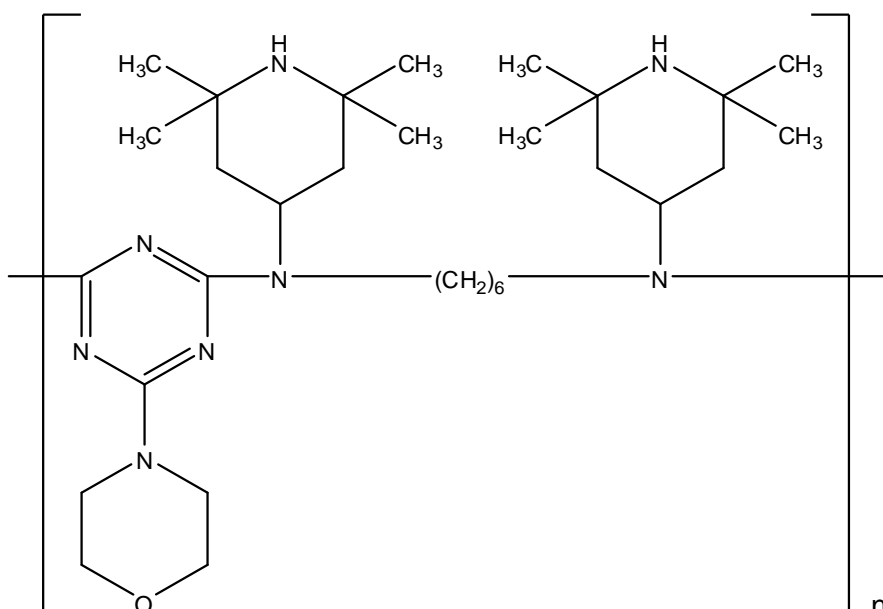
**Quality Products.  
Dependable Service.**

## CHEMICAL NAME

N,N'-Bis(2,2,6,6-tetramethyl-4-piperidyl)-1,6-hexanediamine-2,4-dichloro-6-morpholino-1,3,5-triazine copolymer

Synonym: Poly [(6-morpholino-s-triazine-2,4-diyl)[2,2,6,6-tetramethyl-4-piperidyl] imino]hexamethylene[(2,2,6,6-tetramethyl-4-piperidyl)imino]]

## CHEMICAL STRUCTURE



## INTRODUCTION

PowerStab™ 3346 is an effective hinder amine light stabilizer of low Volatiles, approved by FDA.

PowerStab™ 3346 is widely used in PE, PP, Polyolefin, Polypropylene fiber and also in agricultural films.

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## PHYSICAL PROPERTIES

CAS No.	82451-48-7
EC No.	n.a.
Formula	(C <sub>31</sub> H <sub>56</sub> N <sub>8</sub> O) <sub>n</sub>
Molecular Weight	1600 ± 10%
Melting Point(°C)	110-140
Color (APHA)	Max.80
Loss on Drying(%)	Max.0.5
Appearance	White to light yellow granules
Ash(%)	Max.0.1
Toluene Insolubles(%)	Max.0.25
Solubility (20°C)	% w/w
Water	<0.01

## APPLICATIONS

PowerStab™ 3346 is recommended to be used in polyethylene, polypropylene, polystyrene, polyamides, polyurethanes, flexible PVC, rigid PVC and in certain styrenic elastomer and adhesive specialty applications.

PowerStab™ 3346 is particularly suitable for PE and PP thick and thin sections due to its high light stabilizing performance. It has broad compatibilities, excellent indirect food approvals and good extraction resistance.

PowerStab™ 3346 imparts excellent light stability to thin articles, e.g. fibers and films. In thick cross sections it is specifically suitable for PE articles. It is particularly well established in roto-molded applications and water and gas pipe formulations. It furthermore has a very low color contribution.

## HANDLING AND STORAGE

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

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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™ 3346 is supplied in net weight 25kg fiber drum with PE liner.

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