

PowerStab™ 945 HALS UV Stabilizers

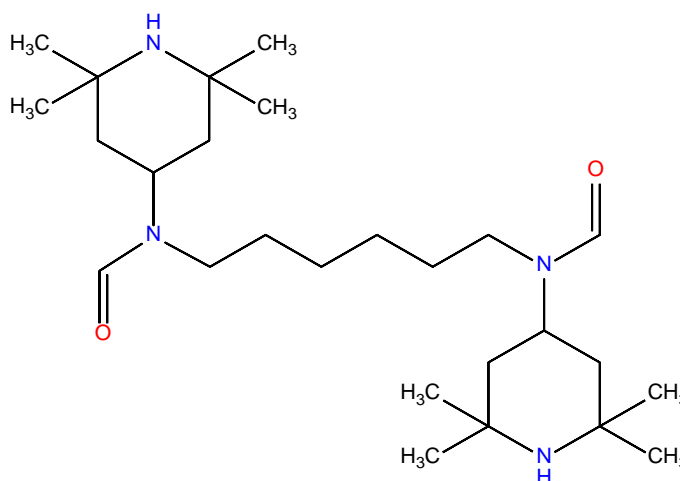
Introduction PowerStab™ 945 shows excellent thermal stability. It is highly compatible with pigments.

Chemical Name N,N'-bisformyl-N,N'-bis-(2,2,6,6-tetramethyl-4-piperidiny)-hexamethylenediamine

CAS Number 124172-53-8

EINECS Number 413-610-0

Chemical Structure



Chemical Formula $C_{26}H_{50}N_4O_2$

Molecular Weight 450

Physical Properties

Appearance	White Powder
Density [20°C, g/cm ³]	1.08
Melting Point (°C)	155-160
Volatiles (%)	Max.0.5
Color of solution 425nm (%)	Min.95
Color of solution 500nm (%)	Min.97
Ash (%)	Max.0.1

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Solubility

Solubility [20°C]	% w/w
Acetone	0.3
Chloroform	6
Ethyl acetate	0.3
n-Hexane	<0.01
Methanol	11
Methyl ethyl ketone	6
Water	0.5

Benefits & Applications

PowerStab™ 945 is suitable for the stabilization of polyolefins, particularly in thick-walled PP molding and PP fibers, as well as thin film, nylon, ABS, PA and polyesters. Combined with UV absorbers it is also used in PS, ABS and PA.

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

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.

Sustainable Innovation for a Better Future



PowerStab™ 945 HALS UV Stabilizers

We disclaim liability for any incidental or consequential damages.