

PowerStab™ 7794 Light Stabilizers Blends

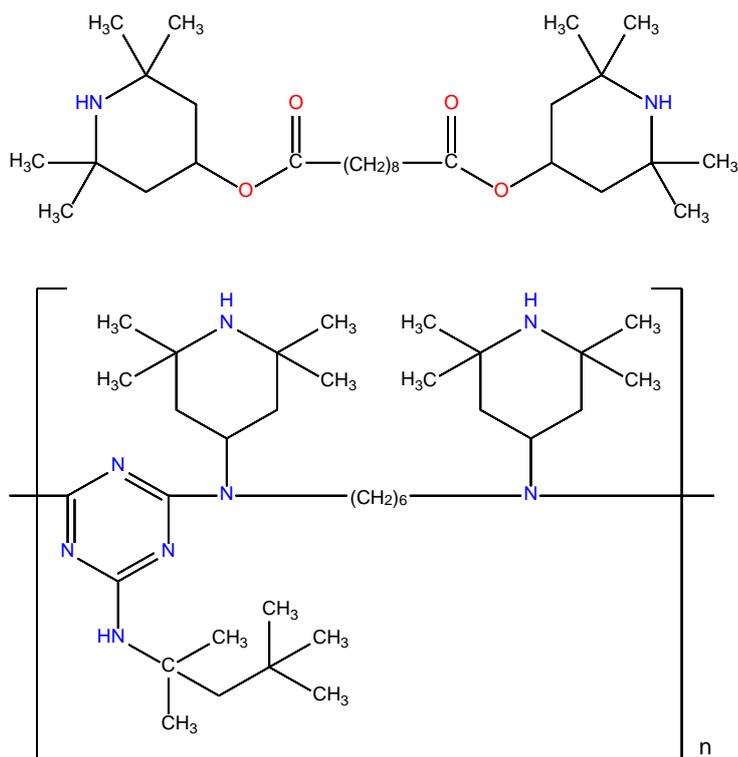
Introduction PowerStab™ 7794 is a synergistic blend of PowerStab™770 (LMWH) and PowerStab™ 944 (HMWH).

Chemical Name Bis(2,2,6,6,-tetramethyl-4-piperidiny) decanedioate and N,N'-bis(2,2,6,6-Tetramethyl-4-piperidiny)-1,6-hexanediamine, polymer with 2,4,6-trichloro-1,3,5-triazine and 2,4,4- trimethyl-1,2-pentanamine

CAS Number 52829-07-9, 70624-18-9

EINECS Number 258-207-9, N.A.

Chemical Structure



Chemical Formula $C_{28}H_{52}O_4N_2, (C_{35}H_{68}N_8)_n$

Molecular Weight 2000-3000

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Physical Properties

Appearance	White to Off-white Powder
Melting Point (°C)	60-120
Specific Gravity (20°C)	0.01
Vapor Pressure [20°C, Pa]	Max.0.01
Volatiles (%)	Max.0.8
Color of solution 425nm (%)	93
Color of solution 500nm (%)	97
Ash (%)	Max.0.1

Solubility

Solubility [20°C]	% w/w
Acetone	>20
Dichloromethane	>30
Styrene	>30
Water	<0.1

Benefits & Applications

PowerStab™ 7794 is especially suitable for the protection of polyolefins such as PP, PE, PP/EPDM and PP/PE/EPDM blends from the damage of UV radiation. Due to its synergistic effect, it is extremely good for thick applications where the efficacy and long term protection are needed to be considered at the same time.

PowerStab™ 7794 can also be used in styrenic polymers, e.g. ABS, impact polystyrene, etc.

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.



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For more detailed information please refer to the material safety data sheet.

Packing

PowerStab™7794 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.

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