SABO S.p.A.
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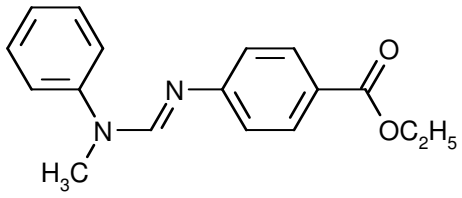
SABO®STAB UV 1

Liquid formamidine UV absorber for polyurethanes

Plastic Additives

COMPOSITION

Chemical structure	
Chemical name	Ethyl 4-[[(methylphenylamino)methylene]amino] benzoate
CAS number	57834-33-0

TYPICAL PROPERTIES

Appearance	Slightly yellow liquid
Assay (GC)	>95%
Color (Gardner)	3.5 max.
Melting point	27-28°C
Specific gravity	1.127

FEATURES

- Provides excellent light stability to polyurethanes (PUR)
- Strong UV absorbance at wavelengths where PUR are most sensitive
- Less discoloring than conventional UV absorbers
- Miscible with polyether- and polyester-based polyols for easy dosing

APPLICATIONS

SABO®STAB UV 1 is a UV absorber of the formamidine class which is effective for the light stabilization of PUR in a wide range of applications, including microcellular foams and integral skin foams for footwear, conventional rigid and flexible foams, fabric coatings for artificial leather, adhesives, sealants, and elastomers (spray, RIM, *etc.*). It is conveniently added to PUR systems as a solution in the polyol component (polyether- or polyester-based).

GUIDELINES FOR USE

Typical addition levels for SABO®STAB UV 1 range from 0.2-1%, depending upon the application. For best results, the product should be used in combination with a liquid HALS (*e.g.* SABO®STAB UV 65), and optionally a liquid antioxidant such as AO 1135. The exact level to be used in any particular application should be determined in an appropriate testing program.

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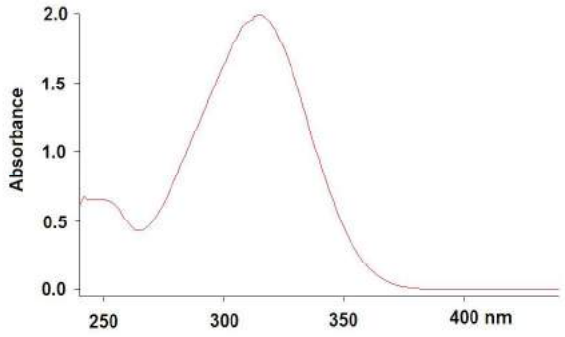
SOLUBILITY DATA (g/100 g solution, 20°C)

Acetone	>50
Butyl acetate	>50
Ethanol	>50
Isopropanol	>50
Methanol	>50
Water	< 0.01

UV ABSORBANCE SPECTRUM (20 mg/L in chloroform)



PACKAGING

200 kg net in inner coated steel drums (800 kg to pallet)

Pallet type : CP3

HANDLING & STORAGE

Please consult the Safety Data Sheet prior to handling or using this product.

If properly stored in a dry place protected from light at temperatures below 25°C, SABO® STAB UV 1 remains within the specification limits for at least 3 years. The product may crystallize during storage for extended periods, and can be re-melted by warming (T < 60°C).

REGISTRATIONS

SABO®STAB UV 1 is listed on the following national chemical inventories:

EINECS (Europe)	NDSL (Canada)
AICS (Australia)	NZIoC (New Zealand)
ECL (Korea)	PICCS (Philippines)
IECSC (China)	TSCA (USA)

This product has not been cleared for use in plastic materials and articles intended to come in contact with food.

Additional information on SABO®STAB UV 1 is available on request from your Sabo representative, including compliance with norms and regulations in the EU, USA, and other countries.