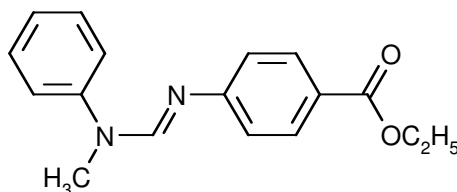


# SABO<sup>®</sup>STAB UV 1

Liquid formamidine UV absorber for polyurethanes

## 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<sup>®</sup>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).

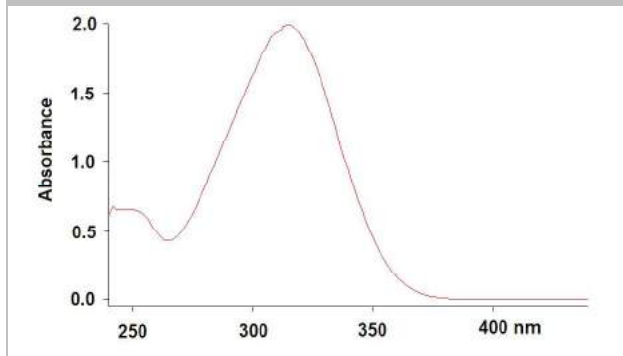
## GUIDELINES FOR USE

Typical addition levels for SABO<sup>®</sup>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<sup>®</sup>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.

Plastic Additives

**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.

The following supersedes Buyer's Documents. Sabo makes no representation or warranty, express or implied, including of merchantability or fitness for a particular purpose. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Sabo be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Sabo's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.