

Eversorb[®] 57

Formamidine type UV absorber for plastic applications

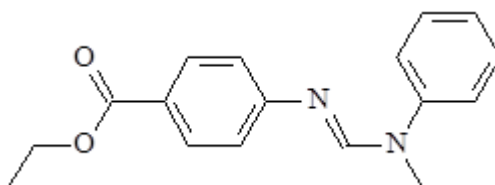
Introduction

Eversorb[®] 57 is a liquid formamidine type high performance UV absorber.

Chemical Name

Benzoic acid, 4-[[[(methylphenylamino) methylene]amino]-, ethyl ester

Chemical Structure



(CAS number) 57834-33-0

Molecular Weight 282.3 g/mol

Physical Properties

Appearance

Yellowish liquid

Melting point

27-28°C

Solubility at 25°C (g/100g solvent)

n-Butyl Acetate : >50

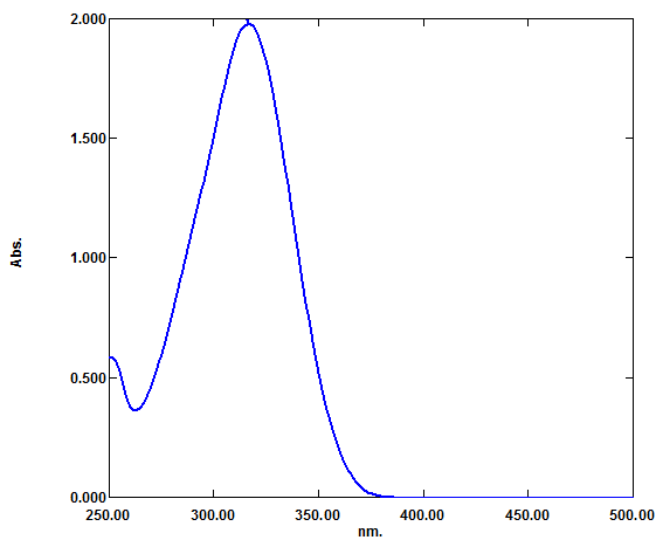
Ethanol : >50

Xylene : >50

MEK : >

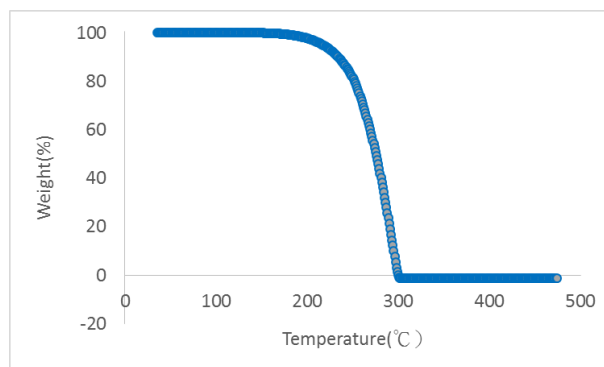
Water : < 0.01

UV-Vis. Spectrum $\lambda_{\text{max.}}=316\text{nm}$ (20ppm in THF)



TGA scans

5% weight loss: 228°C



Advantages

With a very strong absorption especially in between 300 and 330nm of the UV-spectrum where UV radiation is in particular degradation for PU system..
Excellent compatibility with variety of PU polymers.

Recommendation

Eversorb® 57 is particularly recommended for excellent light stability to a number of PU system during their use.

Handling & Safety

Personal equipment for protection is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling.

Storage Conditions

Eversorb® 57 is somewhat sensitive to hydrolysis, light and heat. This store in tightly

sealed containers and protected from light in a cool and dry ventilated environment.
Upon longer storage time crystallization could occur. Warming up in a heat chamber ($T \leq 60^{\circ}\text{C}$) is recommended.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose. Seller makes no representation or warranty to express or implied including of merchantability or fitness for particular purpose.

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