

# Eversorb<sup>®</sup> 81

## Benzotriazole type UV absorber for coating applications

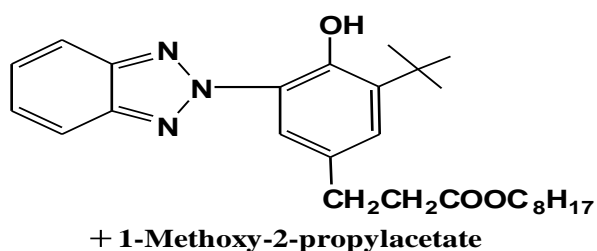
### Introduction

Eversorb<sup>®</sup> 81 is a liquid high performance UV absorber with very high thermal stability and environmental permanence and low initial color of substrate .

### Chemical Name

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-di-Methylethyl)-4-hydroxy-,  
C7-C9-branched and linear alkyl esters  $\geq 94\%$   
1-Methoxy-2-propylacetate  $\leq 6\%$

### Chemical Structure



(CAS number) 127519-17-9 ; 108-65-6

Molecular weight: 451.6 g/mol

## Physical Properties

### Appearance

Yellow liquid

### Dynamic Viscosity at 20°C

2100 mPa.s

### Density at 20°C

1.07 g/cm<sup>3</sup>

### Solubility at 25°C (g/100g solvent)

Butylcarbitol : >50

Butyl acetate : >50

Xylene : >50

1-Methoxy-2-propylacetate : >50

MEK : >50

Water : < 0.1

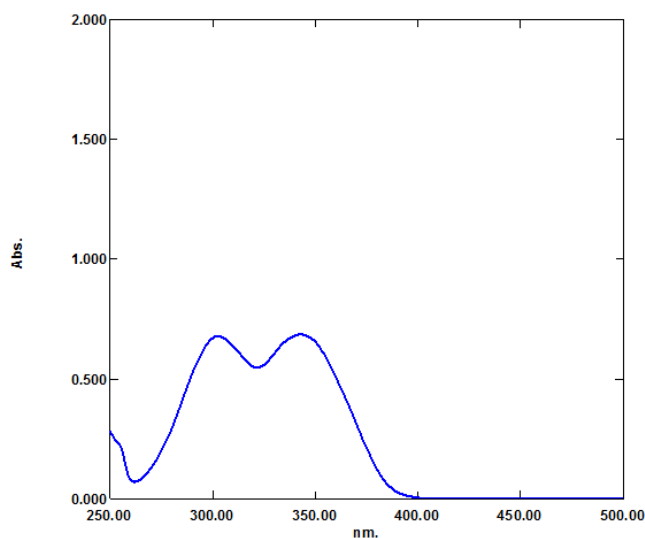
## Advantages

Readily soluble in a wide range of polar and non-polar organic solvents.

Minimal color contribution.

Low volatility .

UV-Vis. Spectrum  $\lambda_{\text{max}}$  = 343nm & 302nm (20ppm in THF)



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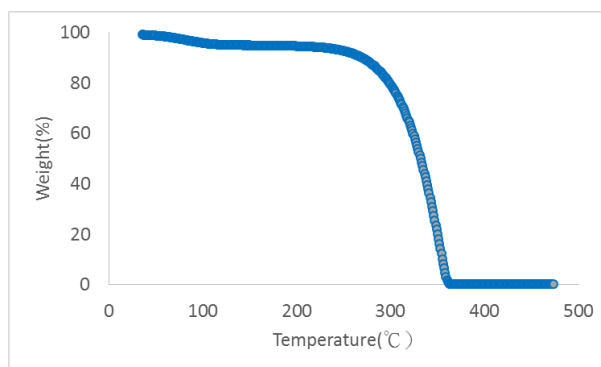
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## TGA scans

5% weight loss : 269°C (Ramp : 10.0°C/min to 800°C)



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## Recommendation

Eversorb® 81 is particularly recommended for industrial, automotive, wood and plastics coatings.

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## Handling & Safety

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

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## Storage Conditions

Eversorb® 81 should be kept in a dry, dark place without any light exposure.

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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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