

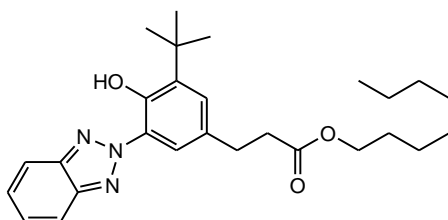
Technical Data Sheet

SUNSORB 99-2T

Chemical Name:

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1, 1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters (95%), methoxy-2-propyl acetate (5%)

Chemical Structural:



Properties

- Appearance: Viscosity yellow Liquid
- Assay(HPCL): $\geq 95.0\%$
- Volatile: 0.3% max
- Dynamic Viscosity at 25°C : 2000 mPa.s (Brookfield, 20 rpm)
- Density at 20°C : .07 g/cm³
- Miscibility at 20°C : SUNSORB 99-2T is miscible to more than 30% with most commonly used paint solvent
- Water Solubility : less than 0.1%

Application

SUNSORB 99-2T is recommended for:

automotive coatings, general industrial applications, i.e. coil coatings, wood coatings.

The liquid form of SUNSORB 99-2T provides easy incorporation into water borne systems. The performance provided by SUNSORB 99-2T can be enhanced when used in combination with a HALS stabilizer such as SUNSORB 123 or SUNSORB 292. These combinations improve the durability of clear coats by inhibiting or retarding the occurrence of failures such as gloss reduction, cracking, color change, blistering and delamination.

The amount of SUNSORB 99-2T required for optimum performance should be determined in trials covering a concentration range.

Features / Benefits

SUNSORB 99-2T is a liquid UV absorber of the hydroxyphenylbenzotriazole class developed for coatings. Its very high thermal stability and environmental permanence makes it suitable for coatings exposed to high bake cycles and/or extreme environmental conditions.

It has been designed to fulfill the high performance and durability requirements of automotive and industrial high quality finishes. Its broad UV absorption allows efficient protection of light sensitive base coats or substrates such as wood and plastics.

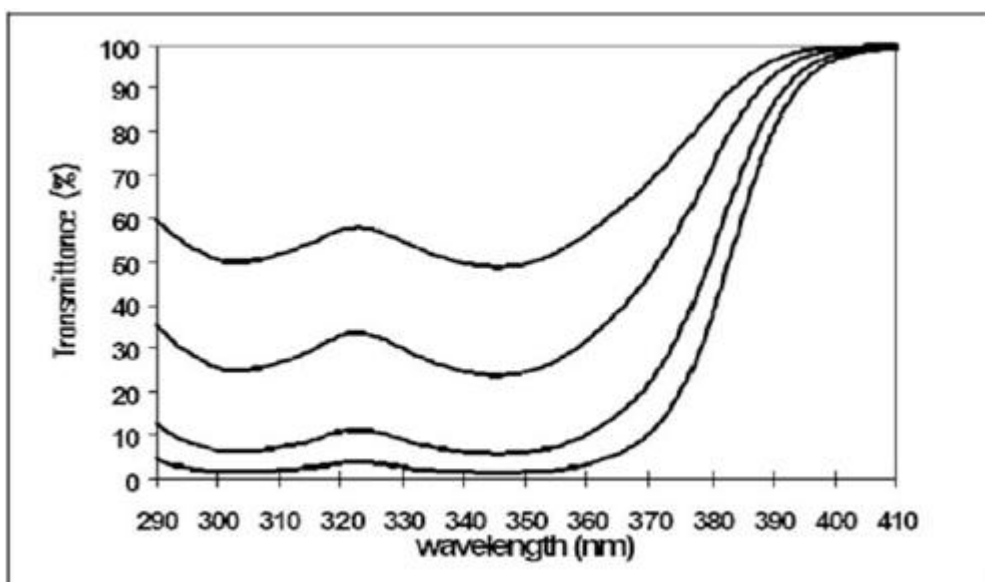
Dosage

(Concentration of stabilizer based on % weight of binder solids)

1.0 - 3.0 % SUNSORB 99-2T

+ 0.5 - 2.0 % SUNSORB 123

UV Absorption



Explanation: Top line: 0.001% Tiansorb 384, corresponds to 0.25% in a 40 µm film

Second line: 0.002% Tiansorb 384, corresponds to 0.50% in a 40 µm film

Third line: 0.004% Tiansorb 384, corresponds to 1.0% in a 40 µm film

Bottom line: 0.006% Tiansorb 384, corresponds to 1.5% in a 40 µm film