



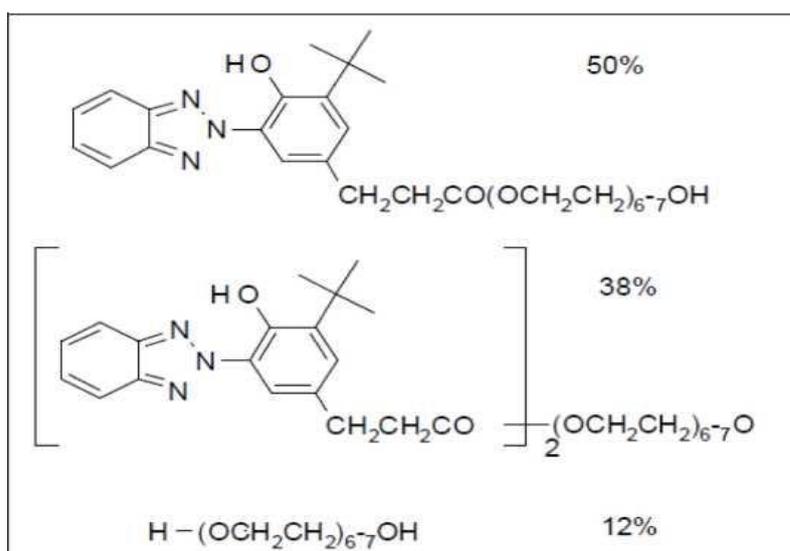
TECHNICAL DATA SHEET

ADIMOK- 1130

General

ADIMOK- 1130 is a liquid UV absorber of the hydroxyphenyl-benzotriazole class specifically developed for coatings. The product is miscible with all common solvents but also easily incorporated into water borne systems. In view of the high durability demands, its high temperature and extraction resistance makes it especially suitable for industrial and automotive coatings. Because of its broad UV absorption, ADIMOK- 1130 also provides efficient protection to light sensitive substrates such as wood and plastics.

Chemical Composition



|3-[3-(2-H-Benzotriazole-2-yl)-4-hydroxy-5-ferf.butylphenyl]-propionic acid- polyfethylene glycol) 300-ester and B/s{p-[3-(2-H-Benzotriazole-2-yl)-4-hydroxy-5-fertbutylphenyl]-propionic acid}-poly(ethylene glycol) 300-ester

Molecular Weight : 637 (monomer),975 (dimer)

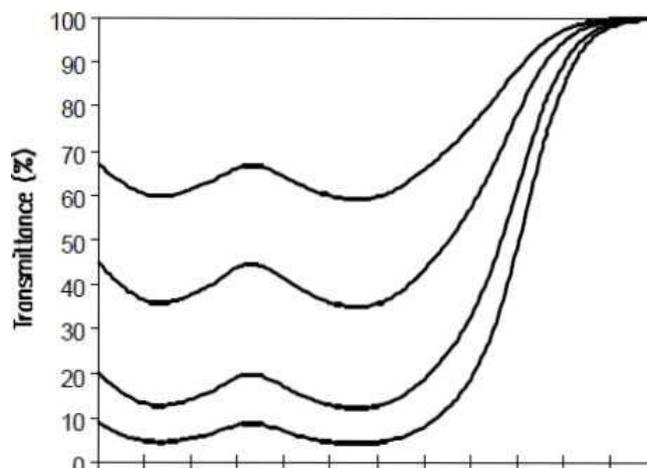
CAS No. : 104810-48-2



Transmittance Spectrum

In toluene

Cell thickness : 1 cm



Explanation:

Top line: 0.001% ADIMOK- 1130, corresponds to 0.25% in a 40 µ film

Second line: 0.002% ADIMOK- 1130, corresponds to 0.50% in a 40 µ film

Third line: 0.004% ADIMOK- 1130, corresponds to 1.0% in a 40 µ film

Bottom line: 0.006% ADIMOK- 1130, corresponds to 1.5% in a 40 µ film

Physical Properties

Appearance : yellow to light amber viscous liquid

Dynamic viscosity at 20 °C : 7400 mPa.s

Density at 20 °C : 1.17 g/cm³

Miscibility (g/100 g solution) at 20 °C :

Butylcarbitol	> 50	
Butanol	> 50	
Butylacetate	> 50	
Depanol J ¹⁾	> 50	¹⁾ Trade Mark of Hoechst
Ethylglycol	> 50	
1-methoxypropylacetate-2	> 50	
Methylethylketone	> 50	
Solvesso 100 ²⁾	> 50	²⁾ Trade Mark of Esso
Solvesso 150 ²⁾	> 50	
Xylene	> 50	
Water	n.m	n.m= not miscible
Hexanedioldiacrylate	> 50	
Trimethylolpropanetriacrylate	> 50	



Applications :

- The dispersion of ADIMOK-1130 in water borne systems may be eased by dilution with a water miscible solvent such as butylcarbitol.
- ADIMOK-1130 is recommended for both solvent and water based coatings such as:
 - Automotive coatings
 - Industrial coatings
 - Trade sales coatings

ADIMOK-1130 may be used in combination with a light stabilizer of the sterically hindered amine class (HALS) such as ADIMOK-144, ADIMOK- 292 or ADIMOK- 123. These synergistic combinations impart superior coating protection against gloss reduction, cracking, blistering, delamination and color change. The light stabilizers may be added in two coat automotive finishes to the clear coat and to the base coat. However, according to our experience, the optimum protection is achieved by adding the light stabilizer to the topcoat.

The amount of ADIMOK-1130 required for optimum performance should be determined in trials covering a concentration range.

Recommended Concentrations:

(Concentrations are based on weight percent binder solids)

1.0 – 3.0 %	ADIMOK-1130
+	
0.5 – 2.0 %	ADIMOK-123, ADIMOK- 144 or ADIMOK- 292

Safety & Handling ADIMOK-1130 should be handled in accordance with good Industrial practice. Detailed information is provided in the Safety Data Sheet.

Important Notice

Purchase of ADIMOK-1130 alone does not permit the use of ADIMOK-1130 in combination with hindered amine light stabilizers (HALS) in stoving lacquers covered by US Patent Nos. 4'314'933, 4426'471, 4'426'472, 4'344'876, 4'429'007 and EP Patent No 52073 and corresponding patents and patent applications in other countries.