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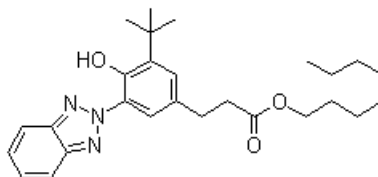
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Trade registration nr. 50769421 Chamber of Commerce Amsterdam

Technical Data Sheet

Product name:	UV-382-2
Product Form:	Light amber viscous liquid
Chemical name:	95% benzenepropanoic acid, 3-(2H-benzotriazole-2-yl)-5-(1,1-dimethylethyl)-2-hydroxy-, C7-9-branched and linear alkyl esters, and 5% 1-methoxy-2-propyl acetate
Synonym:	Tinuvin 384, Eversorb 82-2, Chisorb 5582, CGL 384
CAS No:	127519-17-9
EC No:	407-000-3
Molecular formula:	C ₂₇ H ₃₇ N ₃ O ₃
Molecular weight:	451.6
IUPAC name:	Reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates

Structure formula:



Chemical Specification

Appearance:	Light amber viscous liquid
Viscosity at 20°C (mPa.S):	2600-3600
Active component (HPLC)(%):	99.0 min.
Density at 20°C (g/sm ³):	1.07
Ash content (%):	0.1 max.
Transmittance (%)	
460 nm:	95.0 min.
500 nm:	97.0 min.

Packing:

25/20kg or 200kg plastic drum

Characterization:

UV-384-2 is a liquid UV absorber of benzotriazole type used for coatings. Its very high thermal stability and environmental permanence make it suitable for coatings exposed to high bake cycles and/or extreme environmental conditions. Its high performance and durability meet

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.

Properties and applications:

It is of the high thermal stability and high compatibility in various polymers. It is especially suitable for industrial and automotive coatings. UV-384-2 can be enhanced when used in combination with a HALS stabilizer such as UV-292 or UV-123. 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 UV-384-2 required for optimum performance should be determined in trials covering a concentration range.

Solubility (20°C, g/100g solvent):

Water	<0.1
Butanol	>30
n-Hexane	>30
Ethyl acetate	>30
Toluene	>30

Uses:

Coating: 1.0-3.0% UV-384-2 and 0.5-2.0 UV-292 or UV-123 or UV-144

Safety and Handling:

It should be handled in accordance with good industrial practice. Detailed information is provided in the MSDS.

Storage:

Stored in a closed system and be kept in a dry and dark place without exposure to light.