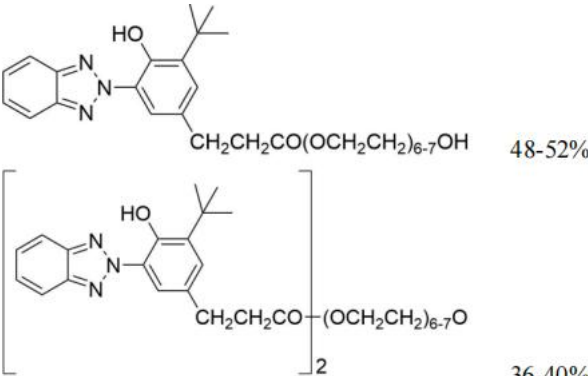


UV Absorber UV-1130

UV-1130 is a versatile liquid UV absorber characterized by high thermal stability and excellent compatibility, making it unlikely to precipitate within the coating system. Due to its liquid form, which facilitates processing operations, as well as its ease of emulsification, it can be uniformly dispersed in aqueous systems. UV-1130 is widely used in the coatings industry, such as in wood coatings, industrial coatings, and automotive coatings. When used in combination with UV-292, UV-1130 provides enhanced protection for coatings, including preventing discoloration, loss of gloss, cracking, and detachment from the substrate.

1. Product physicochemical properties

1.2 Product basic information

Project	Content
Chemical name	Reaction product of 3-benzotriazole-5-tert-butyl-4-hydroxyphenylpropionate with PEG-300
CAS No.	104810-48-2; 104810-47-1; 25322-68-3
Molecular structure	
Formula weight	637;975;300

1.3 Technical parameter

Test item	Parameter
Appearance	Pale yellow viscous transparent liquid
Color (Gardner)	≤6
Ash %	≤0.1
Heating loss %	≤0.5
Transmittance,% at 460 nm	≥96.0
Transmittance,% at 500 nm	≥98.0

1.4 Solubility (20 °C, g/100 mL solvent)

Solvent	Solubility
Acetone	>50g
Methyl n-pentanone	>50g
Methyl ethyl glycol acetate	>50g
Diethylene glycol butyl ether	>50g
N-hexane	<0.5g
Alcohol	>50g
Dimethylbenzene	>50g
100# solvent oil	>50g
Butyl acetate	>50g
Water	Insoluble

2. Operation and safety

1. This product is a general-purpose plastic additive; it can be handled in accordance with standard chemical raw material operating procedures.
2. Avoid generating large amounts of dust; ensure the workshop is well-ventilated and kept away from open flames and high-temperature heat sources;
3. Personal protection: Wear a dust-proof mask and nitrile protective gloves;
4. For complete information on first aid, leakage, storage, and transportation, and hazards, please refer to the accompanying safety data sheet (SDS).

3. Storage and transportation

1. Store in a cool, dry, and well-ventilated warehouse; avoid direct sunlight, exposure to rain, or moisture.
2. Store separately from strong oxidizing agents, strong acids, and strong alkalis;
3. The original factory seal's shelf life at room temperature is 24 months; once opened, use it promptly and avoid exposure to moisture.