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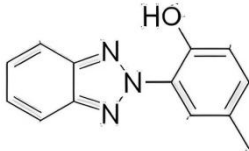
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UV Absorber UV-P

UV-P is a benzotriazole-based UV absorber that protects materials from UV degradation; it is recommended for use in polyvinyl chloride, polystyrene, polyester, and acrylic resins, vinyl and vinyl/acrylic copolymers, polyurethane, polycarbonate, as well as ABS. It can be used in combination with antioxidants and other light stabilizers. The recommended dosage ranges from 0.1% - 0.5%.

1. Product physicochemical properties

1.1 Product basic information

Project	Content
Chemical name	2-(2'-hydroxy-5'-methylphenyl)benzotriazole
CAS No.	2440-22-4
Chemical constitution	
Formula weight	225

1.2 Technical parameter

Test item	Parameter
Appearance	Light yellow crystals
Content (%)	≥99.0

Test item	Parameter
Melting range °C	128-130
Ash %	≤0.1
Transmittance (% at 440 nm)	≥98.0
Transmittance (% at 500 nm)	≥99.0
Heating loss %	≤0.5

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

Solvent	Solubility
Acetone	3g
N-hexane	0.8g
Chloroform	13g
Methanol	0.2g
Benzene	7g
Butyl acetate	4g
Water	<0.01g
Cyclohexane	1g

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;

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4. For complete information on first aid, leakage, storage, and transportation, and hazard details, please refer to the accompanying SDS (Safety Data Sheet).

3. Storage and transportation

1. Store in a cool, dry, and well-ventilated warehouse; avoid direct sunlight, exposure to rain, and moisture.
2. Store separately from strong oxidizing agents, strong acids, and strong alkalis;
3. The original factory-sealed product has a shelf life of 24 months at room temperature; once opened, it should be used as soon as possible to prevent moisture absorption and clumping.