

## YISTAB<sup>®</sup> UV-326

### Technical Data Sheet

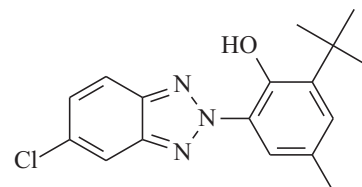
#### Introduction

2-(3-tert-butyl-2-hydroxy-5-methylphenyl)-  
5-chloro-2H-benzotriazole

C<sub>17</sub>H<sub>18</sub>N<sub>3</sub>OCl

Molecular weight: 316

CAS NO. : 3896-11-5



#### Physical

|                      |                              |
|----------------------|------------------------------|
| Appearance           | Yellowish crystalline powder |
| Melting Point, °C    | 137-141                      |
| Flash Point, °C      | 232                          |
| Density, g/ml (25°C) | 1.32                         |
| Ash, %               | ≤0.1                         |

#### Solubility (g/100g solvent, 25°C)

|                  |                     |
|------------------|---------------------|
| Water: <0.1      | Acetone: 1          |
| Ethyl acetate: 6 | Methyl alcohol: 0.1 |

#### TGA (°C, % mass loss)

|                 |     |     |     |
|-----------------|-----|-----|-----|
| Weight loss, %  | 5   | 10  | 50  |
| Temperature, °C | 202 | 214 | 251 |

#### Applications

YISTAB<sup>®</sup> UV - 326 is a benzotriazole UV absorber. This product can strongly absorb the ultraviolet light band 300 ~ 400nm, almost no absorption of visible light band. It's in good compatibility with most of the resins with its excellent high temperature resistance. It has good resistance to extraction. It doesn't react with metal salts to form color fouling products. UV absorption peaks are 312 nm and 353 nm.

It's widely used in poly-olefin, PVC, polyamide, ABS resin and polyester, especially good for curing at room temperature polyester and wood paint. In the polyester, it does not react with metal curing agent to produce chromogenic groups, and does not react with chlorine-containing flame retardants. In the polyolefin processing, it's still low volatility even under high temperature, in order to prevent the occurrence of thermal degradation and get better performance, combine use with hindered amine light stabilizer is recommended.