

# PowerSorb™ 571

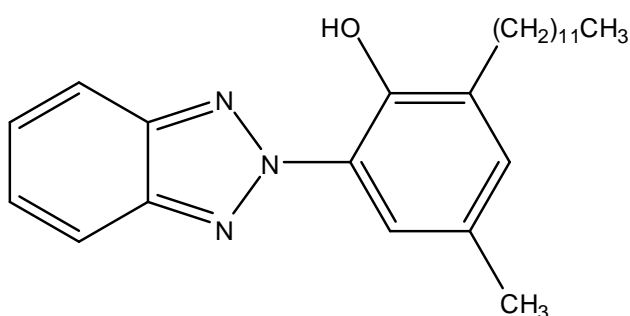
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## CHEMICAL NAME

2-(2H-Benzotriazol-2-yl)-6-dodecyl-4-methyl phenol, linear and branched

## CHEMICAL STRUCTURE



## INTRODUCTION

PowerSorb™ 571 is a low volatility liquid ultraviolet light absorber of the hydroxy phenyl benzotriazole class. It has very good solubility in many solvents, monomers, and intermediates, and hence can be incorporated in the process of polymerization.

## PHYSICAL PROPERTIES

CAS No.	125304-04-3
EC No.	n.a.
Formula	C <sub>25</sub> H <sub>35</sub> N <sub>3</sub> O
Molecular Weight	395
Specific Gravity <sub>[20°C]</sub>	1.02
Melting Point(°C)	-56
Vapor Pressure <sub>[25°C, Pa]</sub>	1.2E-5
Volatile Loss(%)	Max.0.5
Clarity of Solution	Clear Solution
Color of Solution 450nm (%)	Min.95

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Color of Solution 500nm (%)	Min.97
Appearance	Yellow Liquid
Assay (%)	98 Min.
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Solubility (20°C)	% w/w
Acetone	>50
Ethanol	12
n-Hexane	>50
Methanol	1
Methylene chloride	>50
Toluene	>50
Water	<0.01

## APPLICATIONS

PowerSorb™ 571 can be applied in thermoplastic PUR, coating and integral foams, rigid and plasticized PVC, PVB, PMMA, PVDC, EVOH, EVA, hot cured unsaturated polyesters and spin finishes for PA, PET, PUR, and PP fibers.

PowerSorb™ 571 is also suitable for latices, waxes, adhesives, styrene homo- and co-polymers, elastomers and polyolefins.

PowerSorb™ 571 is highly soluble in many solvents, monomers, or intermedi-ates and easily emulsifiable in water-based adhesives. It can be considered for use during polymerization as well as for typical applications on PVC sheets.

## HANDLING AND STORAGE

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

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For more detailed information please refer to the material safety data sheet.

## PACKING

PowerSorb™ 571 is supplied in 30 kg net/Plastic drum.

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