

PowerSorb™ 2908 UV Absorber

Introduction

PowerSorb™ 2908 is a benzoate-type light stabilizer that functions by scavenging free radicals formed during the photodegradation of plastic materials. Combined with hindered amine light stabilizers (HALS) often provide superior performance vs. HALS used alone, especially in polyolefin substrates.

PowerSorb™ 2908 is non-discoloring and resistant to extraction. It has good compatibility with polyolefin substrates. PowerSorb™ 2908 is FDA-cleared for use in many types of polyolefins for indirect food contact applications.

Chemical Name

n-Hexadecyl-3,5-di-tert-butyl-4-hydroxybenzoate

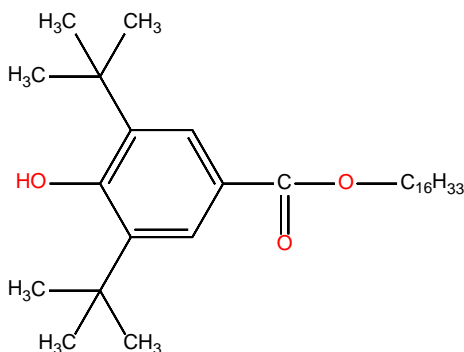
CAS Number

67845-93-6

EINECS Number

267-342-2

Chemical Structure



Chemical Formula

C₃₁H₅₄O₃

Molecular Weight

475

Physical Properties

| | |
|------------------------------|--------------|
| Appearance | White powder |
| Melting Point (°C) | 55-65 |
| Volatiles (%) | Max.0.5 |
| Color of Solution (460nm, %) | Min.98 |

PowerSorb™ 2908 UV Absorber

| | |
|------------------------------|---------|
| Color of Solution (500nm, %) | Min.99 |
| Ash (%) | Max.0.1 |
| Purity (%) | Min. 99 |

Benefits & Applications

PowerSorb™ 2908 is a benzoate-type light stabilizer recommended for use in combination with HALS and (optionally) UV absorbers in polyolefins. Potential applications include polypropylene and TPO thick-section parts and polyethylene (HDPE, LLDPE, LDPE) moldings, films, and tapes.

Handling & 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.

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

Packing

PowerSorb™ 2908 is supplied in net weight 25Kg Fiber Drum with PE liner.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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