

PowerSorb™ 1084 Nickel Quenchers

Introduction

PowerSorb™ 1084 is a benzotriazole type ultraviolet light absorber (UVA), imparting good light stability for plastics and other organic polymers. It protects polymers as well as organic pigments from UV radiation helping to preserve the original appearance and physical integrity of engineered plastics, PVC, elastomer, adhesives, and polyurethanes during outdoor weathering.

Chemical Name

[2,2'-Thiobis(4-t-octylphenolato)]-n-butylamine nickel

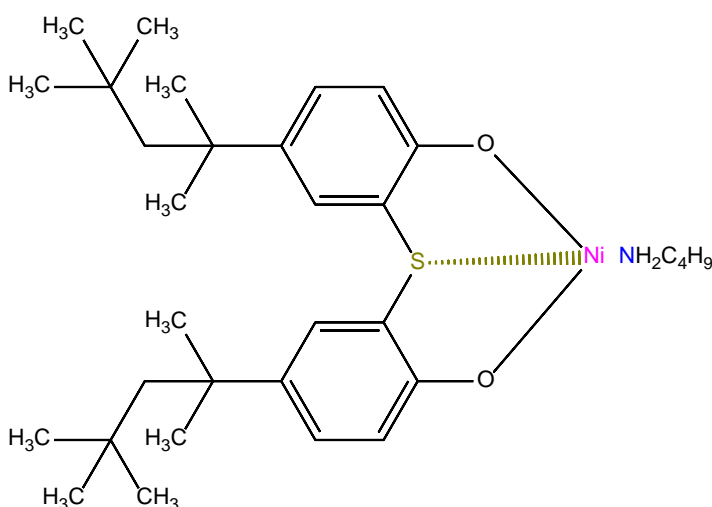
CAS Number

14516-71-3

EINECS Number

238-523-3

Chemical Structure



Chemical Formula

$C_{32}H_{51}NNiO_2S$

Molecular Weight

572

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Physical Properties

Appearance	Pale Green Powder
Density [20°C, g/cm ³]	1.13
Melting Point (°C)	245-280
Flash Point (°C)	140
Volatiles (%)	Max.0.8
Color of Solution 460nm (%)	Min.95
Color of Solution 500nm (%)	Min.97
Ni Content (%)	10.1-10.2
Toluene Insoluble (%)	Max.0.1
Purity (%)	Min.99

Solubility

Solubility [20°C]	% w/w
Water	<0.01

Benefits & Applications

PowerSorb™ 1084 has advantages as below:

- Good performance synergy with other stabilizers, especially for UV absorbers
- Good stabilization in polyethylene film and polypropylene film
- Excellent compatibility with polyolefins

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™ 1084 is supplied in net weight 25kg fiber drum with PE liner.



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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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