

# PRODUCT DATA



INTERSPERSAL

## SperseStab™-2300 Antioxidant

### Overview

SperseStab 2300 is a highly effective antioxidant, anti-scorch, disproportionation agent and processing stabilizer in PVC, ABS, EPDM, PP, Rosin Ester, Polyurethanes and Polyethylene polymers.

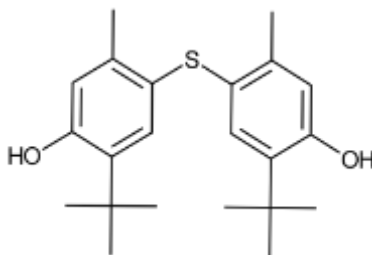
### Chemistry

Chemical Name: Phenol, 4,4'-thiobis[2-(1,1-dimethylethyl)-5-methyl-

CAS Number: 96-69-5

EC Number: 202-525-2

Chemical Structure:



### Typical Properties

Product Form: Solid

Melting Range: 160°C

Molecular Weight: 358 g/mol

Color: White crystalline powder

### Applications

SperseStab-2300 is used as an antioxidant for polyethylene pipe, wire and cable, tubes as well as greenhouse films. This unique antioxidant performs well with peroxide cured systems and functions as a disproportionation agent for rosin esters. In addition it functions as an anti-scorch agent in TDI based polyurethane systems and an anti-skinning agent in hot melt adhesives. Due to its chemical structure, SperseStab 2300 is not readily adsorbed / absorbed into the carbon black like other antioxidants resulting in superior performance.

## **Advantages**

- Minimal interaction with peroxides
- Anti-skinning in hot melt adhesives.
- Disproportionation in Rosin acids
- Well suited in carbon black applications
- Low color contribution.
- Extensive FDA clearances

## **Storage**

This product may be stored up to two years in a sealed container. Containers should be kept tightly closed when not in use and stored in a cool, dry place.

## **Safety**

Please consult the Safety Data Sheet (SDS) prior to handling or using this product.

## **FDA Regulations**

SperseStab 2300 is FDA-cleared for under 21 CFR §175.105 for use in adhesives. Additionally cleared for polyethylene polymers under 21 CFR §178.2010, and in rubber articles intended for repeated use under 21 CFR §177.2600..

## **Important notice**

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Interspersal Inc  
[www.Interspersal.com](http://www.Interspersal.com)  
+1 (724) 485-9350