

# PRODUCT DATA



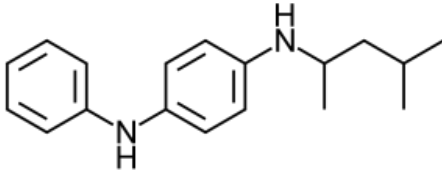
INTERSPERSAL

## SPERSESTAB™-6PPD ANTIOXIDANT / ANTIOZONANT

### Overview

This highly effective antioxidant / antiozonant may be used in both natural and synthetic polymers including NR and SBR. It can be used in applications demanding performance across a large dynamic temperature range including under hood applications. It provides greater activity and solubility than diphenyl amines due to its chemical structure and as a result, applications incorporating SperseStab 6PPD offer improved stability and durability. SperseStab-6PPD may be used alone or in combination with other antioxidants such as TMQ and/or combined with antiozonant waxes for additional protection.

### Chemistry

Chemical Name:	N-1,3-Dimethylbutyl-N'-phenyl- <i>p</i> -phenylenediamine
CAS Number:	793-24-8
EC Number:	212-344-0
Chemical Structure:	

### Typical Properties

Product Form:	Purple to brown pastilles / flakes
Melting Point:	49°C
Molecular Weight:	268.4 g/mol

### Applications

SPERSESTAB-6PPD is used in the production of tires, cables, hoses, belts and brushings. It provides protection against the pro-degradant effects of copper providing protection for wire, belt and tube applications. In belt applications, SperseStab 6PPD provides fatigue and flex resistance. No negative effects have been demonstrated from interaction and adhesion to textiles.

### Use

Recommended usage level is between 1phr to 3 phr, depending on application, processing equipment and long term service life.

**Product Features**

- Excellent thermal stability
- Excellent solubility in natural and synthetic polymers
- Provides stability to solution and emulsion polymers
- Works as inhibitor for styrene, vinyl benzene and acrylate esters
- Resistance to ozone and flex fatigue
- Caution should be exercised as the product causes staining

**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. At storage temperatures above 60°C shelf life is 90 days if nitrogen blanketed.

**Safety**

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

**FDA Regulations**

NO CLEARANCES.

**Important notice**

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