



Distyrenated Phenol

Antioxidant, Rubber Additive and Chemical Intermediate

Overview

- General purpose antioxidant
- Provides oxidation resistance and moderate heat aging resistance
- Used in natural rubber, SBR, NBR, IR, BR, and CR
- Used for stabilization of synthetic elastomers
- Non-discoloring
- Non-staining

Applications

- Antioxidant used in natural rubber, SBR, NBR, IR, BR, and CR
- Stabilization of synthetic elastomers
- Epoxy
- Intermediate for the production of ethoxylated and propoxylated surfactants

Technical Information

Distyrenated Phenol is a non-discoloring and non-staining antioxidant used in natural rubber, SBR, NBR, IR, BR, and CR. Since the product is non-discoloring, it can be used for white and light-colored applications such as latex, shoe soles, sporting goods, and carpet backing. Distyrenated Phenol can be used alone or in combination with other antioxidants in synthetic elastomers. Surface "crazing" due to UV light degradation may be reduced by using Distyrenated Phenol.

Compounding Information

Distyrenated Phenol can be used in solid natural and synthetic rubber, latex, and elastomer stabilization. Recommended use levels are 0.5 to 1.5 phr (parts per hundred rubber). When used at the recommended level, Distyrenated Phenol does not bloom. This product is a permanent antioxidant in solid rubber and resists leaching when the rubber article is in contact with water.

Distyrenated Phenol can readily be made into an aqueous dispersion for use in latex compounds.

Distyrenated Phenol can be utilized for SBR stabilization to prevent gel formation during storage.

Typical Properties

PROPERTY	VALUE
Appearance	Clear to hazy, colorless to amber, viscous liquid
Acid Value, Max.	2.0
% Active Content	est. 99.5
Water, % Max.	0.5
Phenol, Max.	1.0%
Mono-styrenated phenol, %	12.0 - 18.0
Di-styrenated phenol, %	44.0 - 48.0
Tri-styrenated phenol, %	34.0 - 42.0
Styrene, Max.	1000 ppm
Viscosity	2500 - 5000 cps
Shelf life	12 months

Packaging and Handling

Distyrenated Phenol is available in:
275 gallon totes (Net Wt. 2200 lbs)
55 gallon plastic drums (Net Wt. 440 lbs)
Bulk (Net Wt. 45,000 lbs)

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated

Whether you are looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition. Please feel free to contact us.

Distyrenated Phenol

Antioxidant, Rubber Additive and Chemical Intermediate

This information relates only to the specific material referred to herein and not to its use in combination with any other material or in any process, unless explicitly stated herein. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled; however, no warranty, guarantee or other representation is made as to its accuracy, reliability, or completeness, or regarding any liabilities arising from others' intellectual property rights. ID# 20190312