



INTERSPERSAL INC

Interspersal STAB 2702

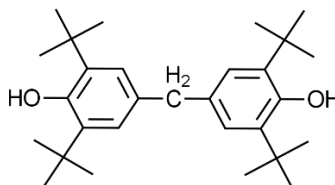
Antioxidant and Thermal Stabilizer

Overview

Interspersal STAB 2702 is an effective antioxidant with the highest peroxy radical trapping ability of any antioxidant on a molar basis. With a relatively high TGA the VSTAB 2702 provides can be used in a variety of applications from PCMO to Hydraulics, metalworking and other lubricating systems. Interspersal STAB 2702 can also be used in natural and synthetic elastomers as well as resins and adhesives. .

Chemistry

Chemical Name: 4,4' – Methylenebis (2,6 Di-tertiary-butyl-phenol)
CAS Number: 118-82-1
Chemical Structure:



Typical Properties

Product Form: Solid
Melting Range: 150 – 154°C
Molecular Weight: 425 g/mol

Solubility (percent by weight, 20°C)

Ethanol	6
IsoOctane	4
Chloroform	37
Petroleum Ether	8
Toluene	33

Applications

Interspersal STAB 2702 is a hindered phenolic antioxidant. It can be used alone or in combination with other antioxidants such as Interspersal STAB 2680, Interspersal STAB 2057 or Interspersal STAB 2000. It is recommended for metal working fluids, polyolefin resins and PSA adhesives. Interspersal STAB 2702 is approved by the FDA for use in some applications where food contact is required..



Advantages

- Compatible with a wide arrange of base oils
- Excellent resistance to hydrolysis
- One of the most cost-effective phenolic antioxidants on a molar basis
- FDA cleared in certain applications

Guidelines for Use

Typical recommended use levels range between 0.1% and 1.0.% in plastics, and between 0.5% and 1% in lubricant systems. Combinations with other Antioxidants such as VSTAB 2680 and Interspersal STAB 2057 often show enhanced performance. The exact formulation to be used is dependent on the base oil, performance requirements, and other factors, and should be determined by the user based on testing to simulate actual conditions of use. Please contact **INTERSPERSAL INC** for specific recommendations.

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

Interspersal STAB 2702 has been cleared for use in polymers complying with 21 CFR §178.2010. In petroleum hydrocarbon resins section 174, 175, 176, 177, 178 and 179.45 at concentrations up to 0.25%. Please contact your MPT-Chem representative for complete details, including restrictions of use.

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