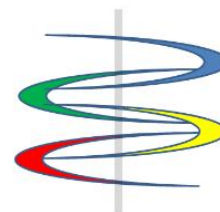


PRODUCT DATA



INTERSPERSAL

SPERSESTAB™-1081 ANTIOXIDANT

Overview

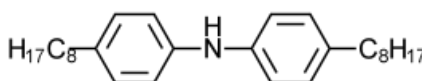
SperseStab-1081 is highly effective and low volatility solid amine class antioxidant ideal for a variety of rubber polymers, olefins, α -olefins and lubricant applications. SperseStab-1081 is well suited for Neoprene, EPDM and Nitrile rubbers. It is also used in lubes including; greases, compressor oils, turbine oils and hydraulic fluids. SperseStab-1081 may be used alone or in combination with other antioxidants including phenolic and phosphites.

Chemistry

Chemical Name: Octylated diphenylamine

CAS Number: 101-67-7

Chemical Structure:



Typical Properties

Product Form: Amorphous brown pellet

Melting Range: 82-98°C

Molecular Weight: 393.6 g/mol

Solubility

Toluene >1000g / L @ 32C

Acetone >200g/L @ 32C

Ethanol <1g/L @ 32C

Water < 0.05g/L @ 28C

Applications

SPERSESTAB-1081 is made for applications that require low volatility and high temperature processing. Flex and heat resistance are imparted by its use in neoprene. Further SPERSESTAB-1081 has excellent compatibility in pre and post cure systems.

Use

The recommended usage level is between 0.1% and 1.0% by weight, depending on application, processing equipment and long term service life.

Advantages

- non-blooming in both pre and post cure systems
- Minimal impact on cure
- Low volatility
- added protection from scorch

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-1081 is cleared for use under 21 CFR 177.105 in adhesives with no limitations and cleared for use in rubber articles intended for repeated use under 21 CFR 177.2600 limited to 5% concentration max. Please consult your Interspersal sales rep for details.

Important notice

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Nothing herein is to be taken as permission, Inducement or recommendation to practice any patented invention without a license.

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