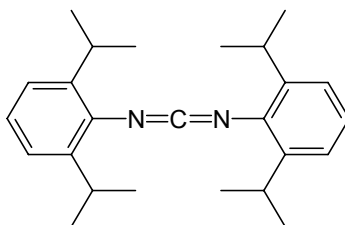




Stabilizer 7000

Chemical Structure



Chemical Name	Bis-(2,6-diisopropylphenyl) carbodiimide	CAS-No.	2162-74-5
Empirical Formula	C ₂₅ H ₃₄ N ₂	Description	sterically hindered aromatic carbodiimide
Molecular Weight	362.2 g/mol		

Typical data

Appearance	colourless to off-white powder	Melting Point	ca.48-50°C
Assay	min. 99.5% (GC, sum of all isomers)	Solubility (20°C)	in water <0.1%; in alcohols moderate, in all other organic solvents highly soluble
Isocyanate Content	max. 10 ppm (GC)		

Application

Hydrolytic stabilizer for polymers containing ester and amide groups, lubricants and organic fluids. Especially active at higher processing temperatures. STABILIZER 7000 acts as an acid and water scavenger and prevents autocatalytic degradation.

Main fields of application are stabilization of polyesters (including PET, PBT and PEEE) and many polyurethane systems based on polyester polyols as well as polyamides, EVA and other plastics susceptible to hydrolysis. STABILIZER 7000 is further suitable for stabilisation of lubricating greases and oils against water and acid attack.

Application Examples:

The optimum quantity of STABILIZER 7000 in the production of monofilaments or industrial injection mouldings made of PET or polyamide is generally in the range of 0.5 to 1.5% depending on the desired degree of hydrolytic stability and the acid value of the original polymer. The recommended quantity for PU systems based on polyester polyols for high-grade TPU products, PU casting elastomers, PU rubber and PU adhesives is between 0.7 to 1.5%. For certain applications, e.g. in EVA, STABILIZER 7000 is used between 3.0 to 5.0%.

Delivery

HS Code	2925 19 95	Storage Advice	Keep package closed. Store dark and dry
Standard Packing	Cartons each containing two PE valve bags with 15 kg net content, shrink-wrapped on pallets (840 kg net)	Retest Period	2 years

The above data are up to the level of our current knowledge and experience. It is, however, the responsibility of the buyer to test our products with respect to their suitability for the specific intended use and to observe any existing rights of third parties which might defeat the processing or use whatsoever. The actual Raschig specification is valid. Nonliability is consequently considered as being agreed upon for the data given in this sheet. This data-sheet replaces all older versions. / 01.10.2006 / Schm, FEC