



DATA-SHEET

SPECIFICATION & DATA SHEET		Chemical Analysis:	
Product Code:	MSHQD-AN025-00GT	Chemical Name:	2,2,4-trimethyl-1,2-dihydroquinoline
Trade Name:	Rubber Antioxidant TMQ (RD)	CAS No.:	26780-96-1
Molecular Formula:	(C ₁₂ H ₁₅ N) _n	Molecular Weight:	N175
Revision number	02	Date	01/12/2009

Product Information:

***Specification

Appearance (visual inspection):	Amber or brown granule	Softening point	80.0-100.0
Ash content (%) :	0.30	Loss on drying % :	0.30
Alkalinity index (mgHClO ₄ /g)	520-570	Compacted bulk density (kg/m ³)	620-650
Insoluble in ethanol (%) :	0.05	Density at 20 (g/cm ³)	1.100

***Typical Properties

This product in brown to amber granule, Soluble in benzene, chloroform, carbon disulfide and acetone, but not soluble in water. the toxicity is light, pollution is low, fine solution with rubber. This product is combustible, when storing and transporting, always pay attention to fireproof and damp proof

***Recommended Applications

It provides oxidation protection to nearly all elastomer types in a variety of applications, having a wide range of temperatures exposure. Its long persistence in rubber allows it to provide long-term heat aging resistance to rubber compounds. It inhibits oxidation catalyzed by heavy metals such as copper and manganese. As a result of its high molecular weight, TMQ migrates slowly within the rubber matrix and does not bloom.

***Handling and Storage recommendations

Store TMQ in a cool, dry, well-ventilated area, avoiding exposure of the packaged product to direct sunlight. Usually it can be store on 12 month with the common storing condition.

Recommend use of date is within 6 months.

***Package

Bag : 25kg/bag	Pallet(1.1*1.1) : 650kg/P
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