

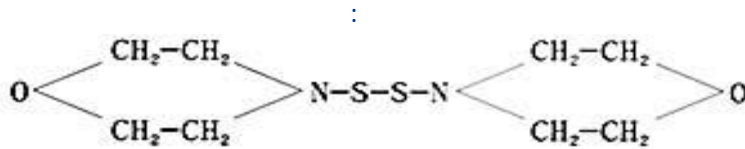
Chemical Name: 4,4-Dithiomorpholine

Synonyms: di(morpholin-4-yl) disulphide; 4,4-Dithiodimorpholine; Sulfur Accelerator DTDM;

Molecular Formula: C₈H₁₆N₂O₂S₂

CAS No: 103-34-4

Structure formula :



1 Specifications:

Appearance: White or lightly yellow spiculate crystal ;

Melting Point: 120°C ;

Weight Loss on Heating: 0.3%Max;

Ash: 0.3%Max;

Residue on 63Mesh: 0.5%Max

2 Usage

2.1 used as a vulcanizing agent for both natural rubber and synthetic rubber .

2.2 suitable for a variety of dynamic products and often applied to high quality rubber-making such as TBR,OTR bias tire,IIR inner tube and rubber sealant as well as asphalt stabilizer ;

2.3 also performs as curing agent, promoter, anti-ageing agent and anti-scorching agent and is widely used in the rubber-making industry ;

2.4 It is applied alone or together with dithiocarbamates and other alkaline accelerators.

3 Properties

3.1 soluble in benzene,ethanol and acetone,etc.It doesn't dissolve in water ;

3.2 It releases 27% of activesulfur at the curing temperature and has high cross-linking effect on rubber ;

3.3 DTDM has good processibility without frost being sprayed and non-stained and good dispersion in rubber..

3.4 DTDM has a good thermal property and is used in dynamic heat resistant rubber-making ;

3.5 It is an ideal rubber vulcanization agent

4 Packing:

4.1 25Kg plastic bags on Pallets ;

Loyal Gain International Enterprise Limited

Head Office: No.180,Wenhua Road, Weifang City, Shandong Province, P.R.China.

Tel: 86-536-8251229; Fax: 86-536-8255868; eMail: chem@loyalgain.cn