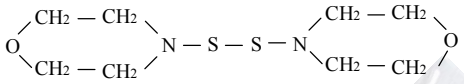
Rubber Vulcanizing Agent DTDM

Chemical Name 4,4'-Dithio Dimorpholine

Molecular Structure



Molecular Formula $C_8H_{16}N_2S_2O_2$

Molecular Weight 236

CAS No. 103-34-4

Specifications Q/KS24-2007

Item		Specifications
Appearance		White or light-yellow crystals
Initial Melting Point	(℃) Min.	118.0
Heat Loss	(%)Max.	0.50
Ash	(%)Max	0.50
Sulfur Content	(%)	25.0-29.0

Properties Relative density is 1.32～1.38. Soluble in alchohol, acetone, benzene, ethlene dichloride, insoluble in water and fatty hydrocarbon.

Applications It is used as the rubber accelerator and vulcanized agent of natural rubber, synthetic rubber. Under the curing temperature, it can release activing sulfur, effective sulfur content is about 27%. It has operating safety, curing speed is slow when it is used alone. The curing speed can be arised when used with thiazole, thiuram, thiocarbamate. There are many advantages, such as, no-spray, no-pollution, no-discolor, easy to disperse. It is especially suitable to butadiene rubber. Mainly it is used to manufacture tyres, inner tube, rubber beltl, heat-resistance rubber products, etc.. DTDM is regulated for use in articles in contact with food as specified under FDA 21 CFR177.2600, 175.105 and under BgVV XXI, Category 4.

Storage Store closed containers in a cool, dry, well-ventilated area. Avoid exposure to direct sunlight.

Packing 25kg net paper bags lined with polyethylene film bags.

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