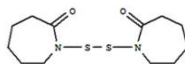


## Vulcanizing agent DTDC(CLD)

**Chemical Name:** N, N'-caprolactam disulfide**Molecular Structure****Molecular Formula** C<sub>12</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub>**Molecular Weight** 288.43**CAS No.** 23847-08-7**Specifications** Q/KS158-2010

Items	Specifications
Appearance	White or light yellow powder
Initial Melting Point	°C Min 120°C
Heat Loss	%Max 0.50
Ash	%Max 0.50
Residue on 150µm Sieve	%max. 0.3

**Description** White powder, soluble in benzene, carbon tetrachloride, slightly soluble in acetone, petrol, hardly soluble in ethanol, ethyl ether, insoluble in water. Non-toxic, room temperature storage stability.

**Applications** DTDC is a not discoloring sulfur donor for natural and synthetic rubber and latex, especially for low sulfur vulcanization, salt bath vulcanization, injection moulding and for vulcanization of thick-walled products. It provides mono- and di-sulfur bridges which are more stable than those formed by elemental sulfur. In contrast to other sulfur donors DTDC does not form nitrosamines which can cause cancer and is thus a very safe rubber additive. DTDC could replace DTDM due to its property.

**Storage** The product should be stored in the dry and cooling place with good ventilation, avoiding exposure of the packaged product to direct sunlight.

**Packing** In 25kg paper bags with plastic inner.