

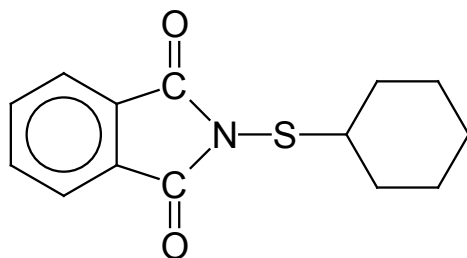
Duslin® G-80

Chemical Name: N-(cyclohexylthio)-phthalimide (CTP)

Empirical Formula: C₁₄H₁₆O₂SN

Molecular Weight: 261.3

Structural Formula:



Physical Form: Pale-cream granulate containing 20 % of wax-like binder. Melting point of binder is 80 °C.

Technical Parameters:

Active substance (CTP) content	min. 76.0 % by weight
Wax-like binder content	17.0 - 21.0 % by weight
Weight loss	max. 0.5 % by weight
Toluene insolubles	max. 5.0 % by weight
Ash (at 750 °C)	max. 0.2 % by weight
Specific gravity	1,150 kg.m ⁻³
Bulk density	580 - 650 kg.m ⁻³

Solubility:

Duslin® G-80 is soluble in chlorinated hydrocarbons and rubbers. Insoluble in water.

Application:

Duslin® G-80 is a high effective pre-vulcanization inhibitor of rubbers especially of diene compounds with cure system consisting of sulfur and thiazole but mainly sulfenamide accelerators. Even a small addition of Duslin® G-80 to rubber compounds (0.1-0.5 phr.) increases their processing safety significantly and that enables to speed up some of the technological operations during the preparation of rubber goods. Its use saves raw materials and power. Duslin® G-80 may cause slight colouring in white compounds. Technical CTP can irritate the skin, eyes and mucous membrane. Just the granulated form with non-toxic binder diminishes these effects of CTP significantly, also diminishes the losses during manipulating and mixing to rubber compounds. The applied binder, which is full tolerant with elastomers, allows full dispersion of active substance in rubber. It assures the optimal effectivity of CTP in rubber compounds. The wax-like binder acts at the same time as active compound of antidegradation system of vulcanizate.

Packaging and Storage:

Duslin® G-80 is packed in multilayer PE-coated paper bags of 25 kg net. It is possible to pack it to big-bags of 350-500 kg weight. The product should be stored/transported on pallets in dry and covered places/vehicles at temperatures up to 35 °C. Do not load pallets of packed product, one-layer storing only. Storage life in undamaged original packaging is one year under the observation of storage conditions.

The given data are only of an informative character and are not comprehensive. Further information can be obtained:

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Producer:

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