Function
Antioxidant for natural and synthetic rubber, especially for CR

Product description
Composition: 70 % diphenylamine derivative
30 % silica filler
Appearance: white to reddish-brown, non-dusting powder
Density: approx. 1.28 g/cm³
Discolouration of vulcanizates: slight discoloration
Physiological properties: see safety data sheet.

Use
Mode of action: Rhenofit DDA-70 prevents damage by oxygen and heat in NR, IR, BR, SBR and especially CR. Being a heat protective agent, it is recommended at higher temperatures. Rhenofit DDA-70 is effective against dynamic crack formation caused by oxygen (e.g. in NR and IR). It has little or no protective effect if crack formation is mainly caused by ozone (e.g. in SBR). Rhenofit DDA-70 does not influence the scorch and total curing times.

According to recommendation XXI of the BfR (German Federal Institute for Risk Assessment) Rhenofit DDA-70 can be used in rubber articles which come in contact with foodstuffs, provided the amount does not exceed 1.4 % calculated on the finished goods. It is not recommended to use Rhenofit DDA-70 for vulcanizates which come into contact with foodstuffs containing oils or large amounts of fats.

Processing: Rhenofit DDA-70 is the solidified form of the liquid Rhenofit DDA. The solid form facilitates the weighting and metering of the product. Rhenofit DDA-70 is easy to incorporate and disperses homogenously in all rubber qualities.

Dosage: As antioxidant and for protection against rubber poisons: 1-2 phr
As anti-flexcracking agent: 1.5-3.5 phr
For goods which come into contact with foodstuff: 1.4 % calculated on the finished goods.

Application: Bicycle tires, inner tubes, sponge rubber, footwear (particularly expanded rubber soles). Suitable for heat resistant goods; protection against heat and oxygen in CR.
Packaging
25 kg carton with PE bag inside on 600 kg skid

Storage stability
In original closed conditions under cool and dry conditions 365 days from date of production. During the storage gradual discoloration into brown possible. This does not affect the activity of the product.

Handling
For additional handling information on Rhenofit DDA-70 please consult current safety data sheet.

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