

Rhenofit® OCD

Specialty and standard chemicals

Function

Antioxidant especially for CR and for NR, IR, BR, SBR, and EVM

Product description

Composition:	octylated diphenylamine
Appearance:	light grey to reddish brown pastilles
Density, 20 °C:	approx. 1.0 g/cm ³
Melting point:	min 85 °C
Ash content:	max 0.5 %
Discolouration of vulcanizates:	causes slight discolouration
Physiological properties:	see safety data sheet.

Use

Mode of action: Rhenofit OCD (like Rhenofit DDA) is an antioxidant preventing damage by oxygen and heat especially in CR and also in NR, IR, BR, SBR, EVM, and NBR. Being a heat protective agent, it is particularly recommended for applications that have to withstand higher temperatures.

Rhenofit OCD is effective against dynamic crack formation caused by oxygen (e.g. in NR and IR). If crack formation is mainly caused by ozone (e.g. in BR and SBR) it has little or no protective effect. Rhenofit OCD does not influence the scorch and total curing time. In conjunction with Rhenogran MMBI-70, Rhenofit OCD is most effective for the protection of rubber goods which are exposed to heat.

Processing: Rhenofit OCD is usually added during the first mixing step.

Dosage: As antioxidant and for protection against rubber poisons: 1-2 phr
As anti-flexcracking agent: 1.5-3.5 phr

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

20 kg paperbags on 500 kg skid

Storage stability

In original closed containers under cool and dry conditions 730 days from date of production

Handling

For additional handling information on Rhenofit OCD please consult current safety data sheet.

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.



LANXESS Deutschland GmbH
Business Unit Rhein Chemie
Kennedyplatz 1
D-50569 Cologne, Germany
<http://rch.lanxess.com>