Function
Vulcanization activator and acid acceptor, particularly for polychloroprene rubber (CR) and adhesives

Product description
Composition: highly reactive magnesium oxide
Appearance: white powder
Density, 20 °C: approx. 3.6 g/cm³
BET surface: 190 ± 20 m²/g
Bulk density, loose: ca. 450 g/l
Physiological properties: see safety data sheet

Use
Mode of action: Rhenofit D/A is a highly reactive magnesium oxide intended specifically for use in the rubber processing industry. It improves the processing safety of CR-, CSM-, CM and CIIR-based rubber compounds by raising the critical temperature of basic accelerators. Rhenofit D/A thereby reduces the tendency of rubber compounds to scorching, while it lowers the necessary activation temperature for acid accelerators. In polymers containing halogen, and particularly in CR, Rhenofit D/A acts as an acid acceptor, thereby improving aging properties. In cold-cured fabric proofing, it serves to neutralize traces of acid. Moduli are generally increased by Rhenofit D/A.

Processing: Caking does not occur with Rhenofit D/A under normal storage conditions. It is free-flowing and may be stored in silos. Rhenofit D/A disperses rapidly throughout all grades of compound. It is best added at the beginning of the mixing process.

Dosage: 3-5 phr

Application: CR, CSM, CM, CIIR and FPM compounds of all kinds (e.g. for extruded and injection molded technical articles, bladders, roofing, etc.).

Other applications include CR-based adhesives, compounds with chlorinated paraffins, cork and sulfur chloride factice, e.g. for erasers, swimming caps, rubberised sheets, etc.
Packaging
25 kg paper bags on 700 kg skid

Storage stability
In original closed containers under cool and dry conditions 365 days from date of production. Exposure to air should be avoided as magnesium oxide is hygroscopic.

Handling
For additional handling information on Rhenofit D/A please consult current safety data sheet.

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