

Aktioplast® 79

Processing Promoters

Function

Reclaiming agent for natural and synthetic rubber scrap

Product description

Composition:	Dialkylpentasulfide
Appearance:	light colored, low-viscosity liquid
Density, 20 °C:	approx. 1.0 g/cm ³
Sulfur content:	approx. 40 weight %
Viscosity, 40 °C:	approx. 50 mm ² /s
Flash point, COC:	approx. 150 °C
Physiological properties:	see safety data sheet

Use

Mode of action: Aktioplast 79 is an effective reclaiming agent for natural and synthetic rubber scrap and blends thereof. Aktioplast 79 decreases the risk of cyclization and shortens the reclaiming time.

Processing: Aktioplast 79 is usually blended into the reclaim oil first and then added to the rubber. This helps to penetrate the rubber assuring better devulcanization and a smoother reclaim process. It is advisable to use finely ground scrap and to allow this to swell for at least 12 hours following the addition of Aktioplast 79 and reclaim oil. Both can be blended before being sprayed on the scrap. For example, the material could be put in layers on talcum powdered trays. The layer thickness should not exceed 2-3 cm to allow the oxygen to penetrate the material sufficiently.

Devulcanization will be achieved at 190 °C (=14.7 bar). Depending on the kind of scrap, the reclaiming time is 3-5 hours per lot (200 kg). At lower temperatures more time is required for reclaiming.

Dosage:	in NR, IR:	0.1-0.4 phr
	in SBR, BR/NR:	0.5-1.5 phr
	in NR/SBR:	0.3-0.8 phr
	in BR, BR/SBR:	1.5 phr
	in NBR, CR:	1.5-3.0 phr

Application: Rubber scrap of vulcanizates made of natural or synthetic rubber

Packing

200 kg steel drum (bunghole)

Storage stability

Under cool and dry conditions and in originally sealed packaging 365 days from date of production. Storage temperature: approx. 20 °C. Material should be kept away from heat and frost!

Handling

For additional handling information on Aktiplast 79 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>