

Rhenocure® TP-liquid

Specialty and standard chemicals

Function

Fast curing secondary accelerator for sulfur curing systems of NR, EPDM, NBR, SBR, and other diene rubbers

Product description

Composition:	zinc dialkyldithiophosphate
Appearance:	yellowish to brown liquid
Density, 25 °C :	approx. 1.26 g/cm ³
Sulfur content:	20.0 - 22.0 %
Physiological properties:	see safety data sheet

Use

Mode of action: Rhenocure TP-liquid is mainly used as an accelerator in non-blooming, fast curing systems for EPDM. When used in combination with MBTS or sulfenamides in NR compounds, Rhenocure TP-liquid dramatically improves reversion resistance. Because of its non-amine based structure, Rhenocure TP-liquid is not generating N-N-nitrosamines. Rhenocure TP-liquid is non-discoloring and non-staining.

Processing: Rhenocure TP-liquid can be used in NR and EPDM as a secondary accelerator in combinations with sulfenamides, thiazoles and thiram. When used in NR to improve reversion resistance, care must be taken to select the level of Rhenocure TP-liquid to obtain the best compromise between scorch and reversion resistance.

Dosage: Typical formulations are:

NR (phr):	Sulfur	0.8
	Rhenocure TP-liquid	1.5
	CBS	0.5
EPDM (phr):	Sulfur	0.8
	Rhenocure TP-liquid	2.0
	TBBS	1.5
	TMTD	0.8

Application: Molded and extruded technical rubber articles of all kinds, e.g. profiles, hoses, foils, coatings, and thick molded rubber components

Packing

254 kg steel drum on 1016 kg skid

Storage stability

In original closed containers under cool and dry conditions 275 days from date of production.

Handling

For additional handling information on Rhenocure TP-liquid please consult current safety data sheet.

Vulkacit® is a registered trademark of Lanxess AG

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>