

## Rhenocure® Thiuram MS/C

Specialty and standard chemicals

### Function

Fast accelerator for the less sulfur vulcanisation

### Product description

Composition:	Tetramethyl monosulfide (TMTM)
Appearance:	ground powder, oil-coated
Density, 20 °C:	approx. 1.39 g/cm <sup>3</sup>
Solubility:	insoluble in petrol (gasoline) and water, soluble in toluene and acetone
Melting point:	ca. 104 °C
Physiological properties:	see safety data sheet.

### Use

Mode of action:	Rhenocure Thiuram MS/C causes very rapid and scorch-safe vulcanization of natural and synthetic rubbers. Rhenocure Thiuram MS/C receives additional activation from basic accelerators, e.g. aldehyde amine and guanidine. In combinations, e.g. with sulfenamide and mercapto accelerators Rhenocure Thiuram MS/C is used as secondary accelerator are of great technical significance. Low-sulfur vulcanization provides vulcanizates with good aging resistance.
Processing:	Rhenocure Thiuram MS/C is easily incorporated. During incorporation there should be no risk of decomposition or side reactions experienced with sulfenamides. Zinc oxide must be included in all compounds in which thiuram accelerators are used. Stearic acid has beneficial effects.
Dosage:	Technical articles in general for SBR (phr): 1.0-2.0 Sulfenamide accelerator + 0.1-0.3 Rhenocure Thiuram MS/C + 1.5-2.0 Sulfur  Technical articles in general for NR (phr): 0.5-1.5 Sulfenamide accelerator + 0.05-0.2 Rhenocure Thiuram MS/C + 2.0-3.0 Sulfur  Technical articles in general for NBR (phr): 0.75-1.5 Sulfenamide accelerator + 0.1-0.3 Rhenocure Thiuram MS/C + 0.75-2.5 Sulfur

Application: Articles that must withstand heat, such as conveyor belting, hoses, seals, and sleeves, as well as cable sheatings and insulations

### **Packaging**

20 kg carton with PE bag inside on 480 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 Rhenocure Thiuram MS/C please consult current safety data sheet

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