

Perkacit® SDEC

COMPOSITION: *Sodium diethyldithiocarbamate CAS#148-18-5*

Perkacit® SDEC is used as an accelerator in combination with thiazoles and guanidines in the vulcanization of NR and SBR latices.

MAJOR APPLICATIONS AND PROPERTIES

- The aqueous solution of Perkacit® SDEC is highly suitable for use in NR and SBR latices initiating the vulcanization from 90 °C – 100 °C.
- Activation of Perkacit® SDEC is possible with thiazoles and guanidines.
- It should be noted that in the application of Perkacit® SDEC N-nitrosodiethylamine can be formed by the reaction of diethylamine, a decomposition product, with nitrosating agents (nitrogen oxides).
- Perkacit® SDEC is regulated for use in articles in contact with food as specified under BfR Recommendation XXI, Category 1 (latex only) and Categories 2-4. Perkacit® SDEC is not regulated for use in FDA food contact applications.

COMPOUNDING INFORMATION

In NR latex the combination of 1.0 phr Perkacit® SDEC with 2.5 phr sulfur is a good starting point. In NR/SBR latex used in foamed applications 1.5 phr Perkacit SDEC, 1.0 phr Perkacit® ZMBT and 2.5 phr sulfur is a good starting point. Perkacit® SDEC is added as a secondary gelling agent in dosages of 0.5 - 1.0 phr.

HANDLING PRECAUTIONS

For detailed information on toxicological properties and handling precautions please refer to the current Safety Data Sheet. This information sheet can be downloaded from our web site or requested from the nearest Performance Additives office and should be consulted before handling this product.

STORAGE RECOMMENDATIONS

Store Perkacit® SDEC in a cool, dry, well ventilated area, avoiding exposure of the packaged product to direct sunlight.

PRODUCT INFORMATION

Perkacit® SDEC	liq-W26%	
Product form	26% solution in water	
<u>PRODUCT SPECIFICATIONS</u>		<u>Test method</u>
Appearance	yellow to light green liquid	FF97.5
Assay (%)	20.0-26.5	FJo83.4
pH-Value (1% aqueous solution)	9.0-11.0	FF91.3
<u>TYPICAL PROPERTIES</u>		
Assay (%)	25.5	
Assay during winter months ¹⁾ (%)	21	
Density at 20 °C (kg/m ³)	1070-1090	

Note: ¹⁾ During winter months assay will be at lower end of specification range to prevent crystallization.