Perkacit® SDBC

COMPOSITION: ***Sodium dibutyldithiocarbamate CAS#136-30-1***

Perkacit SDBC is used as an accelerator in combination with thiurams, thiazoles and guanidines in the vulcanization of NR and SBR latices.

MAJOR APPLICATIONS AND PROPERTIES

- The aqueous solution of Perkacit SDBC is highly suitable for use in NR and SBR latices resulting in vulcanization initiation from 90 °C-100 °C.
- Activation of Perkacit SDBC is possible with thiazoles, thiurams and guanidines.
- Perkacit SDBC increases the viscosity of latex compounds very rapidly.
- It should be noted that in the application of Perkacit SDBC N-nitrosodibutylamine can be formed by the reaction of dibutylamine, a decomposition product, with nitrosating agents (nitrogen oxides).
- Perkacit SDBC is regulated for use in articles in contact with food as specified under FDA 21 CFR 177.2600 and under BfR Recommendation XXI, Category 1 (latex only) and Categories 2-4.

COMPOUNDING INFORMATION

When used as a primary accelerator Perkacit SDBC levels of 1.0 - 3.0 phr are common.
When used as secondary accelerator dosages of 0.25 - 1.0 phr are normal.
In general Perkacit SDBC closely resembles Perkacit ZDBC in its applications.

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 SDBC in a cool, dry, well-ventilated area, avoiding exposure of the packaged product to direct sunlight.

PERFORMANCE ADDITIVES

PRODUCT INFORMATION

Perkacit SDBC		**liq-W47%**	
Product form		47% solution in water	
PRODUCT SPECIFICATIONS			Test method
Appearance		pale yellow to brown liquid	FF97.5
Assay	(%)	45.5-47.5	FJo83.4
pH-Value		10.0 – 12.0	FF83.11
TYPICAL PROPERTIES			
Density at 20 °C	(kg/m^3)	1070-1090	