



Tiarco Chemical Europe GmbH



TRCC Europe GmbH

Technical Data Sheet

OCTOPOL SDM-40 (TE)

CHEMICAL DESCRIPTION: Sodium dimethyldithiocarbamate
CAS: 128-04-1
EINECS: 204-876-7

PHYSICAL FORM: solution in water

SPEZIFICATION (TYPICAL PROPERTIES)

Appearance	light yellow liquid
Color (Gardner)	max. 3
Assay (%)	40.0 - 42.0
pH-Value (1% aqueous solution)	9.5 - 10.5
Density at 20 °C:	1170 – 1190 kg/m ³

PRODUCT DESCRIPTION:

Octopol SDM-40 (TE) is used as an accelerator in the vulcanization of NR and SBR latices. It is also used as a radical inhibitor in the polymerization of SBR.

MAJOR APPLICATIONS AND PROPERTIES:

- The aqueous solution of Octopol SDM-40 (TE) is highly suitable for use in NR and SBR latices initiating the vulcanization from 80 °C – 100 °C.
- Octopol SDM-40 (TE) is used as a radical inhibitor (short-stop) in the final stage of the SBR polymerization.
- It should be noted that in the application of Octopol SDM-40 (TE) N-nitrosodimethylamine can be formed by the reaction of dimethylamine, a decomposition product, with nitrosating agents (nitrogen oxides).
- Octopol SDM-40 (TE) is regulated for use in articles in contact with food as specified under FDA 21 CFR 177.2600, 175.105, 176.300 and under BfR Recommendation XXI, Category 1(latex only) and Categories 2-4.

COMPOUNDING INFORMATION:

As an accelerator in NR latex, amounts of 1.0 phr Octopol SDM-40 (TE) in combination with 2.5 phr sulfur are suggested as a good starting point.
In SBR foamed applications 1.5 phr Octopol SDM-40 (TE) in combination with 1.0 phr ZMBT and 2.5 phr sulfur are suggested as a good starting point.
When used as a short stopper for SBR typical amounts of Octopol SDM-40 (TE) are 0.2% (on a 100% activity basis) based on SBR polymer weight.

STORAGE AND HANDLING:

Stainless steel, fiberglass, PVC, polyethylene, neoprene, polypropylene, hypalon and teflon are suitable for pumps, lines and tanks. Storage in mild steel will discolor product because of iron content. Copper, brass and aluminum should be avoided. Octopol SDM-40 (TE) should be stored in a cool, dry, well-ventilated area, avoiding exposure of the packaged product to direct sunlight.

The information provided herein is believed to be reliable; however, no guarantees are made or liability assumed.
Tiarco Chemical / TRCC makes no claims or warranties concerning the suitability of the product for a particular use or purpose.
Possible patent rights, laws and regulations have to be observed on the recipients own responsibility.

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PACKING:

Available in drums of 25 kg (24 drums/pal.), 60 kg (9 drums/pal.), 250 kg (4 drums/pal.), IBC of 1.000 kg net and as bulk deliveries (tank container).

SAFETY:

UN3082, ADR 9, PG III Please refer to Safety Data Sheet

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