

MARK® 17 MOK N

Description	Octyltin mercaptide stabiliser
Delivery form	Clear, yellowish, low viscous liquid
Application	<p>MARK® 17 MOK N is mainly used in the production of rigid PVC packaging materials to comply with food regulations. It is particularly effective in both initial colour and long-term heat stability in most types of PVC resins used in this application, e.g. emulsion-, suspension-, bulk-, modified PVC or combinations with copolymers.</p> <p>Depending upon the various components of rigid PVC formulations better results may be obtained with related products such as MARK® 17 MOK or MARK® 17 MOK A.</p> <p>It is therefore desirable to carry out preliminary tests in the intended formulation.</p> <p>MARK® 17 MOK N has proven satisfactory in calendering, extrusion and injection moulding of rigid PVC; for each application optimum results can only be obtained by a properly selected dosage of stabiliser and lubricants.</p> <p>In the melt, organotin stabilised PVC has the tendency to stick to hot metal parts. The choice and concentration of external lubricants is therefore particularly important. In rigid PVC processing the addition of external lubricants such as montan waxes and complex esters (0.2 - 0.5 phr), PE waxes and oxidised PE waxes (0.05 - 0.1 phr) has proven to give good results. However, it is not recommended to add stearic acid as it reduces the effectiveness of the stabiliser.</p> <p>The choice and concentration of internal lubricants is also of great importance. Fatty acid glycerides or epoxy compounds such as DRAPEX® 39 are mainly used in this application as they are highly compatible with PVC; they are used at concentrations of 0.5 - 1.5 phr.</p> <p>Like all organo-tin mercaptide stabilisers MARK® 17 MOK N has a very good compatibility with PVC; plate-out and exudation problems due to the stabiliser are therefore practically unknown. In unpigmented and unfilled formulations highly transparent finished articles can be obtained.</p>

Where particularly good weatherability of the finished article is required suitable light stabilisers such as benzotriazole UV absorbers at 0.2 - 0.5 phr should be added. The same dosage of UV absorbers is recommended for transparent containers to protect the light sensitive contents against UV light.

Approval

The approval status depends on the local requirements. Specific information can be submitted on request.

Dosage

Recommended dosage level: 0.8 - 1.5 phr

Specification

The specified values are given in the Product Specification.

Packaging

MARK[®] 17 MOK N is supplied in standard steel drums, which can be reused and recycled and which conform to the UN regulations (contents 220 kg), as well as in recyclable IBC (contents 1000 kg). On request also available in road tankers (contents 20 t).

Storage

Please refer to the MSDS.
Recommended storage temperature: 15 to 30 °C
Keep containers dry and reseal tightly after use.

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