

## MARK® 17 MOK A

<b>Description</b>	Octyl-tin mercaptide stabiliser
<b>Delivery form</b>	Clear, yellowish, low viscous liquid
<b>Application</b>	<p>MARK® 17 MOK A 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 PVC, modified PVC or combinations with copolymers.</p> <p>Depending upon the various components of rigid PVC formulation better results may be obtained with related products such as MARK® 17 MOK, MARK® 17 MOK N or MARK® 17 MOK S. It therefore is desirable to carry out preliminary tests in the intended formulation.</p> <p>MARK® 17 MOK A 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 organo-tin 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 epoxidised 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 organotin mercaptide stabilisers MARK® 17 MOK A has a very good compatibility with PVC; plate-out and exudation problems due to the stabiliser are therefore practically unknown. In unfilled and un-pigmented 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.

**Approval**

The approval situation 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<sup>®</sup> 17 MOK A is supplied in standard steel drums that can be reused and recycled and satisfy UN regulations (contents 220 kg), as well as in recyclable IBC (contents 1000 kg).

**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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