

TECHNICAL INFORMATION

Revision: 0
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NEWOSTAT[®] 603

Product Category:	Antistat for plastics										
Fields of Application:	Internal antistat for plastics										
Product Characteristics:	<ul style="list-style-type: none">➤ nonionic➤ easy to incorporate➤ universally applicable										
Chemical Composition:	Preparation containing alkylpolyglycoethers										
Technical Data:	<table><tr><td>Appearance (20 °C):</td><td>colourless to yellowish liquid</td></tr><tr><td>Active content:</td><td>100%</td></tr><tr><td>Flash point:</td><td>>100 °C</td></tr><tr><td>Solidification range:</td><td>0 - 5 °C</td></tr><tr><td>Compatibility:</td><td>- with many plastics - with many aqueous and solvent-based plastic formulations</td></tr></table>	Appearance (20 °C):	colourless to yellowish liquid	Active content:	100%	Flash point:	>100 °C	Solidification range:	0 - 5 °C	Compatibility:	- with many plastics - with many aqueous and solvent-based plastic formulations
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Storage:	<table><tr><td>Shelf life:</td><td>in originally sealed drums, approximately one year from the date of delivery under the conditions recommended below</td></tr><tr><td>Storage Conditions:</td><td>Recommended storage temperature: min +3°C, max +40 °C Protect from moisture Frost resistant</td></tr></table>	Shelf life:	in originally sealed drums, approximately one year from the date of delivery under the conditions recommended below	Storage Conditions:	Recommended storage temperature: min +3°C, max +40 °C Protect from moisture Frost resistant						
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Packaging:	drum / IBC										
Use concentration:	<p>Recommended addition level is 1 to 4%, referring to the weight of the final product.</p> <p>We strongly recommend to carry out own lab tests in order to determine the optimum dosage, especially when more than 4% are added.</p>										

NEWOSTAT[®] 603

Application:

Being liquid, NEWOSTAT[®] 603 can be incorporated very easily into plastic compounds and liquid formulations. It must be added before processing of the plastic material. After the addition of NEWOSTAT[®] 603, processing can be done as usual. The antistat is dispersed homogeneously inside the plastic material.

The antistatic effect will be built up immediately or after a certain period of time. This depends very much on the type of plastic material and/or the formulation.

Further Information:

It is very important to determine the optimum dosage in lab or pilot tests. An overdosage of NEWOSTAT[®] 603 does not improve the antistatic effect and might cause undesirable side effects like a discolouration of the final product or an exudation of antistat onto the surface.

The achievable antistatic properties with NEWOSTAT[®] 603 depend highly on the type of plastic material in which it is incorporated as well as on the air humidity. Best possible values of the surface resistance are in the range between 10×10^8 to 10×10^6 ohms (very good antistatic effect).

For applications which require antistats of higher polarity we recommend the use of NEWOSTAT[®] 605 which belongs to the same class of chemicals but is higher polar than NEWOSTAT[®] 603.

The data in this technical information are derived from practical experience. They do not guarantee specific product properties or the suitability of the product for particular applications. Lab or pilot tests should be carried out in any case. Due to many different possible process conditions we cannot assume any liability. Any existing industrial patent rights have to be respected. Additional information on product properties pertaining to working safety as well as environmental protection can be found in the material safety data sheet.