

NEWOSTAT[®] 600 C

Product Category:	Antistat for plastics												
Fields of Application:	Internal antistat for plastics and for the formulation of antistatic solutions for the surface treatment												
Product Characteristics:	<ul style="list-style-type: none">➤ cationic➤ soluble in water and alcohols➤ very effective at low concentration levels												
Chemical Composition:	Preparation containing polymeric quaternary alkyl ammonium compounds												
Technical Data:	<table><tr><td>Appearance (20 °C):</td><td>yellow liquid</td></tr><tr><td>Active content:</td><td>100%</td></tr><tr><td>Flash point:</td><td>>100 °C</td></tr><tr><td>Boiling range :</td><td>>200°C</td></tr><tr><td>Solidification range:</td><td>0 - 10°C</td></tr><tr><td>Compatibility:</td><td>- with polar plastics (like PU, PVC) - with many aqueous formulations - with some solvent-based formulations (like solvent-based PU systems)</td></tr></table>	Appearance (20 °C):	yellow liquid	Active content:	100%	Flash point:	>100 °C	Boiling range :	>200°C	Solidification range:	0 - 10°C	Compatibility:	- with polar plastics (like PU, PVC) - with many aqueous formulations - with some solvent-based formulations (like solvent-based PU systems)
Appearance (20 °C):	yellow liquid												
Active content:	100%												
Flash point:	>100 °C												
Boiling range :	>200°C												
Solidification range:	0 - 10°C												
Compatibility:	- with polar plastics (like PU, PVC) - with many aqueous formulations - with some solvent-based formulations (like solvent-based PU systems)												
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								
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												
Packaging:	drum / IBC												
Use concentration:	Approx. 0.4 to 2.5%, referring to the weight of the final product. We strongly recommend to carry out own lab tests in order to determine the optimum dosage, especially when more than 2.5% are added.												

NEWOSTAT[®] 600 C

Application:

As internal antistat:

NEWOSTAT[®] 600 C must always be added prior to processing (plastic material as well as all aqueous or solvent-based formulations). In liquids it is simply stirred into the formulation. To solids it can be added by using a tumble mixer for example.

As external antistat in solutions for surface treatment:

NEWOSTAT[®] 600 C can as well be used to formulate aqueous or alcoholic solutions for the antistatic treatment of surfaces. A possible formulation is given below:

1.3%	NEWOSTAT [®] 600 C
0.5%	nonionic wetting agent (e.g. a fatty alcohol ethoxylate)
balance	water (or alcohol, e.g. isopropyl alcohol)

Such a solution can be sprayed onto plastic surfaces. The antistatic effect is built up after drying and prevents the treated surface from attracting dust by electrostatic charge. This effect, however, is not permanent and the antistatic treatment should be repeated from time to time.

Further Information:

Before production, lab test series should be carried out to check the suitability of NEWOSTAT[®] 600 C for the intended application and to determine the optimum dosage.

An overdosage of NEWOSTAT[®] 600 C 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.

If NEWOSTAT[®] 600 C is used in PVC formulations, it is recommended to check the heat stability of the formulation before production. As a nitrogen containing product, NEWOSTAT[®] 600 C might affect the thermal stability of PVC which must be equalized by increasing the amount of heat stabilizer in the formulation.

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.