

Armostat 300

Tallow-bis(2-hydroxyethyl) amine

Semi-permanent, animal-based antistat providing sustained antistatic properties and is especially effective in film applications.

CAS number
61791-44-4

EINECS/ELINCS No.
263-177-5

TSCA status
listed on inventory

Specifications

Appearance	Liquid to paste
Color	≤ 200 Pt-Co
Equivalent weight	340-360 g/eq
tert-Amine	≥ 97.0 %
Water content	≤ 0.2 %

Characteristics

Autoignition temperature	285 °C
Density, 35 °C	0.890 g/cm ³
Flash point, Cleveland open cup	201 °C
Melting/freezing point	32 °C
Solubility in water	Practically insoluble
Vapor pressure, 20 °C	≤ 10 Pa
Viscosity, 35 °C	75 mPa.s

Applications

Armostat® 300 is an internal antistatic additive that can be used in various polymers such as PE, LDPE and PP. Armostat® 300 gives sustained antistatic action and is especially effective in film applications also due to its relative fast migration. Armostat® 300 is at ambient temperature a paste. When heated at 40-45°C the product can be dosed as a liquid directly into the polymer by using a single or twin-screw extruder. Pigment or color concentrates should be mixed with the antistatic agent prior to extruding. Premixing ensures uniform distribution of Armostat® 300 in the resin while Armostat® 300 acts as a dispersion aid to the pigment color concentrate.

Storage

Nouryon recommends to store Armostat® 300 in a dry well-ventilated place at 25°C (77°F) max. Prolonged storage over 60°C (140°F) can cause some discoloration.

Note

When stored under the recommended storage conditions, Armostat® 300 will remain within the Nouryon specifications for a period of at least 12 months after delivery.

Packaging and transport

The standard packaging is 180 kg (397 lb) net in a steel drum. A full pallet carries 720 kg net (USA 1587 lb). Delivery in bulk is also possible. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Armostat® 300 is classified as Amines, solid, corrosive, n. o. s. ; Division 8; UN 3259; PG III.

Safety and handling

Please refer to the Material Safety Data Sheet (MSDS) for detailed information on the safe storage, use and handling of Armostat® 300. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available at nouryon.com/sds-search.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a lowercase, sans-serif font.