

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.

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