

Armostat 700

Oleyl-bis(2-hydroxyethyl) amine

Semi-permanent, animal-based antistat providing sustained antistatic properties, and especially effective in film applications. Liquid alternative to Armostat 300.

CAS number
25307-17-9

EINECS/ELINCS No.
246-807-3

TSCA status
listed on inventory

Specifications

Appearance	Liquid
Color	≤ 300 Pt-Co
Equivalent weight	345-365 g/eq
tert-Amine	≥ 97.0 %
Water content	≤ 0.5 %

Characteristics

Autoignition temperature	≥ 100 °C
Clear point	4 °C
Density, 25 °C	0.910 g/cm ³
Flash point, Pensky-Martens closed cup	≥ 100 °C
Solubility in water	Practically insoluble
Vapor pressure, 20 °C	≤ 10 Pa
Viscosity, 20 °C	140 mPa.s

Applications

Armostat 700 is a refined tallow based oleylbis(2-hydroxyethyl)amine, so it is a liquid alternative to Armostat 300. Armostat 700 is an internal antistatic additive that can be used in various polymers such as PE, PP, PS, SAN, ABS and HIPS. Armostat 700 gives sustained antistatic action and is especially effective in injection molding applications. The low melting point allows liquid dosing even at low temperatures. Armostat 700 can be dosed 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 700 in the resin while Armostat 700 acts as a dispersion aid to the pigment color concentrate.

Storage

Nouryon recommends to store Armostat 700 at 25°C max. Prolonged storage over 60°C can cause some discoloration.

Note

When stored under the recommended storage conditions, Armostat 700 will remain within the Nouryon specifications for a period of at least 12 months after delivery.

Packaging and transport

The standard packaging is a steel drum of 180 kg (400 lb) net weight. A full pallet carries 720 kg (1600 lb) net. Bulk delivery is also possible. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Armostat 700 is classified as Amines, liquid, corrosive (n. o. s.); Division 8; UN 2735.

Safety and handling

Please refer to the Material Safety Data Sheet (MSDS) for detailed information on the safe storage, use and handling of Armostat 700. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available at <https://polymerchemistry.nouryon.com>.

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Contact Us

Europe, Middle East, India and Africa
polymerchemistry.nl@nouryon.com

Asia Pacific
polymerchemistry.ap@nouryon.com

Americas
polymerchemistry.na@nouryon.com

Nouryon