

Armostat 1800

Octadecyl-bis(2-hydroxyethyl) amine

Semi-permanent, vegetable-based alternative for Armostat 600, suitable for applications needing higher processing temperatures.

CAS number
10213-78-2

EINECS/ELINCS No.
233-520-3

TSCA status
listed on inventory

Specifications

Appearance	Slightly yellowish solid
Color	≤ 150 Pt-Co
Equivalent weight	350-374 g/eq
Tertiary amine content	≥ 97.0 %
Water content	≤ 0.5 %

Characteristics

Clear point	42 °C
Density, 20 °C	0.880 g/cm ³
Flash point, Cleveland open cup	200 °C
Solubility in water	Practically insoluble
Vapor pressure, 20 °C	≤ 10 Pa

Applications

Armostat 1800 is a vegetable based saturated alkyl(C16-C18)bis(2-hydroxyethyl)amine. Armostat 1800 is an internal antistatic additive that can be used in various polymers such as PE, LLDPE, PP, SAN and ABS. Armostat 1800 gives sustained antistatic action and has due to its saturated alkyl chain excellent thermal stability. This makes Armostat 1800 especially suitable for those applications needing higher processing temperatures. Armostat 1800 is a solid at ambient temperatures. When heated at 60-65°C Armostat 1800 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 1800 in the resin while Armostat 1800 acts as a dispersion aid to the pigment color concentrate.

Storage

Nouryon recommends to store Armostat 1800 in a dry place at 25°C max.

Note

When stored under the recommended storage conditions Armostat 1800 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 net in a steel drum (USA 400 lb). A full pallet carries 720 kg net (USA 1600 lb). 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 1800 is classified as Environmentally hazardous substance, solid, n. o. s. ; Division 9; UN 3077; Packing Group III.

Safety and handling

Please refer to the Material Safety Data Sheet (MSDS) for further information on the safe storage, use and handling of Armostat 1800. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available at <https://polymerchemistry.nouryon.com>.

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.

Armostat is a registered trademark of Nouryon Chemicals B. V. or affiliates in one or more territories.

Contact Us

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

Asia Pacific
polymerchemistry.ap@nouryon.com

Americas
polymerchemistry.na@nouryon.com

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