

Armostat 400

Coco-bis(2-hydroxyethyl) amine

Semi-permanent, vegetable-based and low-color antistat used in polymers such as PE, LDPE, PP, SAN, ABS and HIPS. Vegetable and liquid alternative for Armostat® 300.

CAS number
61791-31-9

EINECS/ELINCS No.
263-163-9

TSCA status
listed on inventory

Specifications

Appearance	Clear liquid
Color	≤ 150 Pt-Co
Equivalent weight	275-300 g/eq
Tertiary amine content	≥ 97.0 %
Water content	≤ 0.2 %

Characteristics

Clear point	12 °C
Density, 25°C	0.910 g/cm ³
Flash point, Cleveland open cup	193 °C
Solubility in water	Practically insoluble
Vapor pressure, 20 °C	≤ 10 Pa
Viscosity, 20 °C	150 mPa.s

Applications

Armostat® 400 is a vegetable based saturated-alkylbis(2-hydroxyethyl) amine of high purity and low color. Armostat® 400 is an internal antistatic additive that can be used in various polymers such as PE, LDPE, PP, SAN, ABS and HIPS. Armostat® 400 gives sustained antistatic action and is especially effective in film applications due to its relative fast migration because of its relative short alkyl chain. Armostat® 400 is a liquid at ambient temperatures and can be dosed directly into the polymer by using a single or twin-screw extruder.

Storage

Nouryon recommends to store Armostat® 400 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® 400 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). The packaging meets international regulations. 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® 400 is classified as Amines, liquid, corrosive, n. o. s. ; Division 8; UN 2735; 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® 400. 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.