

AQUACYL™

CNT water dispersions

AQUACYL™ AQ0101

Multiwall carbon nanotube waterborne dispersions with ionic dispersant

General Information

Description

AQUACYL™ is a family of multiwall carbon nanotubes (MWCNTs) waterborne dispersions with optimized properties. AQUACYL™ AQ0101 is the ideal way to incorporate carbon nanotubes in waterborne systems (coatings, films, etc.). The dispersion contains an anionic surfactant for superior dispersion and stability over long period.

Key Applications

- Electrostatic Discharge (ESD) and electrically coatings and films
- Heating elements (heating wall membranes, heating floors, etc.)
- Energy storage application (lithium-ion batteries, capacitors, etc.)

Benefits

- Excellent electrical conductivity at low loading
- Ease of processing
- Joule effect/IR radiation

Technical Data

Main Characteristics

AQ0101 is a D.I water dispersion of 1wt% of NC7000™ containing an anionic surfactant.

pH	Boiling point (°C)	Melting Point (°C)
7 - 11	100	0

General processing guidelines

AQUACYL™ AQ0101 shows shear-thinning properties. This product has a perfect stability, however, if stored for long time or at harsh climate condition, slight stirring before use is recommended for the ease of processing.

Commercial/Safety Information

Packaging

AQUACYL™ AQ0101 is available in different packaging:

- Bottles (5/10/25 liters)

Minimum Order of Quantity

Nanocyl's minimum order quantity for AQUACYLTM AQ0101 is 10 liters.

Storage

Keep AQUACYLTM AQ0101 only in the original closed container in a dedicated place. Keep containers in a cool, dry storage place with adequate ventilation. Keep storage temperature between 5-30°C. Keep away from freezing. It is recommended not to store this product outdoors during the winter

Health and Safety

A Material Safety Data Sheet (MSDS) is available to provide both workers and emergency personnel with the proper procedures for handling or working with the AQUACYL™ AQ0101. This MSDS includes information such as physical data (form and color, melting point, etc.), handling and storage recommendations, first aid measures and ecological information. The Safety Data Sheet is provided with any order and should be observed.

Disclaimer

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