



TECHNICAL BULLETIN

Textile Processing Compound

Let You LEAD The Process

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Hydro Guard N – 825D

C6 fluorocarbon-based water and oil repellent

Hydro Guard N – 825D can be used as an oil-water-stain repellent for cellulosic and their blends. It is suitable for wide range of articles as work wear, outerwear, tent, home furnishing, coating, etc.

Feature	Benefits
○ Excellent performance	○ It gives excellent repellence to oil, water and stains. Stains can be spot cleaned away.
○ Excellent durability to washing, dry-cleaning	○ It offers excellent wash durable performance. High performance retained after ironing/heat treatment
○ Offers very soft hand	○ It offers very soft hand to various fabrics
○ Excellent shear stability	○ It gives trouble free process with no build up on rollers
○ PFOA free	○ It is an eco-friendly product for human & environment

Application

The dosage of **Hydro Guard N – 825D** mainly depends upon fabric type, construction, test requirement & machine conditions.

The general recipe guideline is as below

Hydro Guard N – 825D : 30 - 60 gm/lit

ASSIST NU : 5 - 10 gm/lit

Pad – Dry at 110-130°C – Cure at 150-170°C for 30-60 secs.

Properties

Chemical constitution	Fluorine contained resin, Urethane compound
Ionic nature	Weakly cationic
Physical form	White to beige liquid
pH (undiluted)	Approx. 4.0
Specific gravity at 20 ⁰ C	Approx. 1.07 g/cm ³
Storage stability	Hydro Guard N – 825D is stable for 1 year, when properly stored in closed containers at 20°C.
Compatibility	Preliminary trials are advised to check for compatibility with other products
Ecology / Toxicology	The usual hygiene and safety rules for handling chemicals should be observed in storage and use. The product must not be swallowed.

The product appearance varies from batch to batch. The colour & viscosity may vary from batch to batch and its intensity is not an indication of product strength.

NONWARRANTY: The suggestions and data in this bulletin are based on information we believe to be reliable. They are offered in good faith but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions on an experimental basis before adopting them on a commercial scale.

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