



Thetaproof™ PF-7070

Grease and Oil Repellent for Food Contact paper

Overview

- Short-Chain Fluorochemical Technology
- Partially fluorinated, anionic Greaseproofing Treatment for full range of paper substrates
- Low foaming
- Imparts oil and water resistance
- Does not impart color or change the optical properties
- Does not affect the air permeability of the treated paper
- Produced from C6 feedstocks (contains no longer chain PFCAs such as PFOA, or their precursors)
- Water-based, ships D.O.T. Non-Regulated (no Red Label)
- FDA Compliant: 21§CFR 176.170 and 176.180 for All Foods; B-H, including microwave susceptor

Applications

- Paper and paperboard (including whiteboard)
- Cardboard

Technical Information

Thetaproof PF-7070 is a partially fluorinated oil and grease resistant finishing treatment designed for paper and paperboard. It is suitable for food contact packaging. Treated paper or paperboard can be used in contact with all food types under the conditions of use B through H, as well as in microwave susceptor applications. Thetaproof PF-7070 offers excellent oil and water repellency without affecting the appearance or breathability. The product has excellent oil resistance against general fats and oils, including heated oil. Thetaproof PF-7070 is part of a new generation of shorter chain telomeric greaseproofers designed to be PFOA free (no PFOA detected at 20 ppb detection limit).

Thetaproof PF-7070 has been specifically designed for low foaming and ease of use.

Environmentally responsible, Thetaproof PF-7070 is nonflammable and meets all current VOC regulations.

Formulary

Use rates for Thetaproof PF-7070 per FDA guidelines limit application rates to result in not more than 1.43% of solids by weight of dry paper or paperboard.

For non-food contact uses, typical use levels are 0.5-1.5% of solids by weight.

The use of chelants such as EDTA should be avoided with this product, as they adversely impact performance.

Typical Properties

PROPERTY	VALUE
Appearance	Hazy, light pink liquid
Odor	Mild
Ionic character	Anionic
Solids, %	19.5 to 20.5
Water solubility	Dispersible
pH (as is)	5.5 to 8.0
Density@25°C	1.07±0.02
Boiling point	est. 100°C
Storage	Protect from freezing Store at 0°C to 40°C
Shelf life	12 months

Packaging and Handling

Thetaproof PF-7070 is available in:
275 gallon totes (Net Wt. 2205 lbs)
55 gallon plastic drums (Net Wt. 441 lbs)
5 gallon pails (Net Wt. 40 lbs)

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated

Whether you're looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

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