

# Product Stewardship Summary

## Unidyne Products

**Uses:** Daikin Unidyne fluororepellant products provide the most cost effective, soil resistant, oil and water repellent fluoropolymer available in today's marketplace. Unidyne products are used in carpeting, textiles, nonwovens, and paper.

Carpet products are designed to maximize soil and stain protection while enhancing processing performance at the mill and for compatibility with stain blockers and other additives for increased efficiency in application.

Textile products are designed for water and oil repellency and stain release applications.

Nonwoven products impart excellent water and alcohol repellency for spunmelt and spunlace substrates. They have shown good compatibility with most nonwoven extenders and antistat agents.

Internal melt products offer unique opportunities for high performance and specialty applications in films and spunmelt fibers.

Paper products are created for oil, grease, alcohol, and water repellency within a broad array of paper and board applications.

**Physical and Chemical Properties:** Unidyne products are generally water based fluoropolymer emulsions and solutions, and dissolve readily in water.

**Health and Environmental Effects:** Fluoropolymers are known for chemical stability and low reactivity. Unidyne products may cause skin, eye, and respiratory irritation.

**Exposure Effects of Decomposition Products:** When Unidyne products are heated to temperatures above 200°C, some decomposition products may be given off. These decomposition products may be harmful, and inhalation of these fumes must be avoided. Inhaling thermal decomposition products could result in chills, headaches, nausea, breathing discomfort, cough, or sore throat.

**Processing Precautions:** Ovens, process equipment, and working area must be adequately ventilated.  
Follow safe industrial hygiene practice, and wear proper protective equipment.  
Use respirator suitable for protection when spraying this material.

**Additional Resources:** Daikin Product Information

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