

PROTECTIVE MATERIALS PRODUCT BULLETIN

Protective Material PM-3869



APRIL 2019 | SUPERCEDES JANUARY 2019

INTRODUCTION

Properties: PM-3869 is a developmental non-fluorinated, solvent-based water repellent. The product is dissolved in ethyl acetate and heptane, and it is designed for industrial spray application to leather. Neither fluorines nor silicones are used in its formulation. Properly applied, PM-3869 imparts dynamic water and aqueous stain repellent properties on a variety of leather substrates for garments, shoes and upholstery. The product has also been used successfully on textile substrates. The substrate's natural characteristics are generally unaffected by the application of this product.

Branding: Contact your 3M representative for more information.

Environmental: PM-3869 is non-fluorinated and is therefore not based on PFOA or PFOS. It is not made with and does not degrade to PFOA or PFOS. The active ingredient of PM-3869 is not a chlorofluorocarbon (CFC), associated with ozone depletion.

TYPICAL PROPERTIES (NOT TO BE USED FOR SALES SPECIFICATIONS)

Appearance	Milky colorless liquid
Typical Analysis	25% Solids
	17% Ethyl acetate
	58% Heptane
Density	0.79 kg/l
Shipping & Storage	Red Label/flammable material
	PM-3869 should not be stored at temperatures >50°C (>122°F) and < 0°C (32°F)
Flash Point.....	-4°C (25°F)
Boiling Point.....	87°C (171°F) (estimated)
Shelf life.....	2 years from date of manufacture





TYPICAL APPLICATION

1. Industrial Spray.

- a. **Dilution.** It is necessary to dilute PM-3869 with a solvent prior to use. Suitable solvents for dilution of PM-3869 include heptane, butyl acetate or blends of the two. Any proposed formula should be checked for compatibility, solution stability and performance. As a starting point, consult the following formulation:

Suggested formula (by weight) per liter:

90-130g	PM-3869
910-870g	Solvent or solvent blend.

- b. **Application.** Any equipment capable of delivering a wet spray to the surface is satisfactory. Spray equipment must be equipped with local exhaust ventilation. Apply a uniform wet coat to ensure an even distribution of chemical. Spray two crosses with a total consumption of approximately 15-20 grams diluted PM-3869 per square foot. Some dyes may be sensitive to some solvents and a slight color change could result.

2. Aerosol Container Systems – PM-3869 should not be used for aerosol container applications.

DRY AND CURE CONDITIONS

Dry at room temperature or in an oven rated for solvents.



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ENVIRONMENTAL HEALTH AND SAFETY

Normal care should be taken to avoid skin contact, eye contact and prolonged breathing of vapors or dusts. Hands should be washed prior to smoking or eating. Before using this product, please read the current PM-3869 Safety Data Sheet (available through your local representative), and the precautionary statement on the product package. Follow all applicable directions.



CAUTION! Appropriate precautionary measures should be taken when handling and working with solvents (follow supplier's directions). Be sure to consult all Safety Data Sheets for safe handling practices.

IMPORTANT NOTICE TO PURCHASER:

This is a developmental product that has not been introduced for general sale, and its formulation, performance characteristics and other properties, specifications (if any), availability and pricing are not guaranteed and are subject to change without notice.

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