



PROTECTIVE MATERIALS PRODUCT BULLETIN

# Protective Material PM-3869



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## INTRODUCTION

3M™ Protective Material PM-3869 is a hydrocarbon, solvent based water repellent. This product is dissolved in ethyl acetate and heptane, and it is designed for industrial spray application to leather. Neither fluorine nor silicones are used in its formulation. When 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 not based on perfluoroalkyl chemistry including PFOS or PFOA. It is not made, and does not degrade to, any perfluoroalkyl substance including PFOS or PFOA. Additionally, PM-3869 is not based on blocked isocyanate chemistry and does not contain alkyl phenol ethoxylate (APE) surfactants or chlorofluorocarbon (CFC) associated with ozone depletion.

## TYPICAL PROPERTIES

Appearance .....	Milky colorless liquid
Typical Analysis .....	25% Solids
	17% Ethyl Acetate
	58% Heptane
Density .....	0.79 kg/l (6.6 lb/gal)
Shipping & Storage .....	Red Label/flammable material
Flash Point .....	-4°C (25°F)
Boiling Point .....	87°C (171°F) (estimated)
Shelf Life .....	2 years after production date

PM-3869 should not be stored at temperatures over 50°C (122°F) or below 0°C (32°F)



## APPLICATION

### 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. Polyamide Taslan and Polyamide Microfiber
- 0–2 ml/l Acetic Acid (60%)
  - 50–100 g/l PM-3869

**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.

## 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 for personal protective equipment. When using auxiliary products with PM-3869, be sure to also review the appropriate Safety Data Sheet for each material used.



**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:

The information in this publication is based on the tests we believe are reliable. Your results may vary due to differences in test type and conditions. You must evaluate and determine whether the product is suitable for your intended application. Since conditions of product use are outside of our control and vary widely, the following is made in lieu of all express or implied warranties (including the warranties of merchantability or fitness for a particular purpose). Except where prohibited by law, 3M's only obligation and only remedy is replacement or, at 3M's option, refund of the original purchase price of the product that is shown to have been defective when you received it. In no case will 3M be liable for any direct, indirect, special, incidental, or consequential damages (including, without limitation, lost profits, goodwill, and business opportunity) based on breach of warranty, condition or contract, negligence, strict tort, or any other legal or equitable theory.



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