

Protective Chemical PM-4800

INTRODUCTION

Properties: PM-4800 is a fluorochemical resin concentrate dissolved in ethylacetate designed for industrial spray application to leather. Properly applied, PM-4800 imparts excellent and durable water, oil and stain repellent properties on all types of leather for garments, shoes and upholstery. The substrate's natural characteristics (color, hand, breathability) are generally unaffected by the application of this product.

Branding: Only if the leather treatment meets stringent quality performance specifications are you entitled to make use of the Scotchgard™ Brand name provided you are an official licensee of 3M.

Environmental: PM-4800 is not based on PFOA or PFOS chemistry. It is not made with and does not degrade to PFOA or PFOS. The active ingredient of PM-4800 is not a chlorofluorocarbon (CFC), associated with ozone depletion.

TYPICAL PROPERTIES

Appearance	Clear, yellow liquid
Typical Analysis	40% Solids 60% Ethylacetate
Density	1 kg/l
Shipping & Storage	Red Label/flammable material PM-4800 should not be stored at temperatures >50°C (>122°F) and < 0°C (32°F)
Flash Point.....	Abel (IP170/175) -4°C (25°F)
Boiling Point.....	77°C (171°F)
Shelf life	2 year from date of manufacture

TYPICAL APPLICATION

1. Industrial Spray

It is necessary to dilute PM-4800 with solvent prior to use. The choice of solvent, solvent grade or solvent blend influences the solubility and the oil and water repellency of PM-4800. Any proposed formula should be checked for compatibility, solubility and performance.

Solubility of PM-4800 at 1% solids:



Ethers	Diethylether	Soluble
	Diisopropylether	Soluble
Ketones	Acetone	Soluble
	Methylethylketone	Soluble
	Methylisobutylketone	Soluble
Esters.....	Ethylacetate	Soluble
	Butylacetate	Soluble
	Isoamylacetate	Soluble
Alkanes.....	n-Heptane	Insoluble
	Isoparaffines	Insoluble
Aromatics.....	Toluene	Soluble
Alcohols	Isopropanol (IPA)	Insoluble
	Methoxypropanol	Soluble
Mixtures.....	50/50 Heptane/Isopropanol	Soluble
	80/20 Heptane/Butylacate	Soluble
	80/20 Heptane/Ethylacetate	Soluble
	90/10 IPA/Butylacetate	Soluble

Consult your technical representative for use with other solvents/blends.

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 10-12g diluted PM-4800 per square foot. Some dyes may be sensitive to some solvents and a slight color change could result.

Suggested formula (by weight):

25-50g PM-4800
975-950g Solvent or solvent blend.

DRY AND CURE CONDITIONS

Dry at room temperature or in an oven.

APPLICATION

2. Aerosal Container Systems - PM-4800 should not be used for aerosol container applications.

ENVIRONMENTAL, HEALTH & 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-4800 Material Safety Data Sheet (available through your local representative), and the precautionary statement on the product package. Follow all applicable directions.

Appropriate precautionary measures should be taken when handling and working with solvents (follow supplier's directions).

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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