

3M Advanced Materials Division

3M™ Stain Resistant Additive and Sealer SRA-450

For Porous Hard Surfaces

Introduction

3M™ Stain Resistant Additive and Sealer SRA-450 is a fluorochemical resin concentrate in ethyl acetate designed for industrial application to porous hard surfaces such as concrete, marble, terracotta, etc. Properly applied, SRA-450 additive imparts excellent and durable water, oil and stain repellent properties as well as dirt pick-up resistance on all types of porous hard surfaces. The substrate's natural characteristics are generally unaffected by the application of this product. Be sure to evaluate the 3M product for compatibility in your particular application before using.

Product Safety and Handling

SRA-450 is intended for use in non-dispersive and non-emissive applications.

3M does not recommend this product for use in applications involving repeated exposure through skin contact, inhalation or ingestion. It is not intended for food contact, cosmetic, medical or pharmaceutical usage. Neither 3M nor the U.S. Food and Drug Administration has evaluated or reviewed this product for food, cosmetic, medical or pharmaceutical applications.

Please read and follow the precautions and directions for use in the product label and Safety Data Sheet before using this product. Safety Data Sheets for this product are available from 3M Customer Service at 800-367-8905 or from your local 3M sales representative.

Typical Physical Properties

(Not for specification purposes)

Property	SRA-450
Appearance	Clear, yellow liquid
Typical Analysis	40% Solids 60% Ethyl acetate
Density	1 kg/l (8.3 lb/gal)
Flash point	-4°C (25°F)
Boiling point	77°C (171°F)
Shipping & Storage	Red Label, flammable material SRA-450 should not be stored at temperatures > 50°C (122°F)
Shelf Life	2 years from date of manufacture

All values determined at 77°F (25°C) unless otherwise specified.

***Note:** SRA-450 additive should not be stored at temperatures >50°C (>122°F). SRA-450 additive is freeze/thaw stable to -23°C (-10°F).

Packaging

3M stain resistant additive SRA-450 is currently available in:

- 25 kg (5 gal) pails
- 110 kg (30 gal) drums

Typical Application/ Formulation

SRA-450 additive and sealer can be added to an existing formulation or can be diluted with solvents and used as a penetrating sealer. The choice of solvent, solvent grade or solvent blend influences the solubility and the oil and water repellency of SRA-450 additive.

SRA-450 concentrate can be used as an additive to a number of commercial solvent-based coating and sealer formulations. SRA-450 concentrate can enhance the water, oil and stain resistant properties of most standard formulations. Typical recommended additive levels are from 0.2 -2.5% active material. The additive level is dependent upon the substrate and degree of stain resistance desired. Pre-dilution in a co-solvent may be necessary for some formulations. Non-polar solvent formulations may need a polar co-solvent. Typical co-solvents include Dowanol™ DPM and Proglyde™ DMM.

It is recommended that compatibility be tested for specific systems. 3M AdMD can provide technical assistance, if desired.

***Note:** When using solvents and other chemicals, be sure to follow the manufacturer's precautions and directions for use for handling such materials.

Solubility of SRA-450 at 1% solids

Diisopropylether		Soluble
Diethylether		Soluble
Ketones	Acetone	Soluble
	Methylethylketone	Soluble
	Methylisobutylketone	Soluble
Esters	Ethylacetate	Soluble
	Butylacetate	Soluble
	Isoamylacetate	Soluble
Alkanes	n-Heptane	Insoluble
	Isoparaffins	Insoluble
Aromatics	Toluene	Soluble
Alcohols	Anhydrous ethanol	Insoluble
	Methoxypropanol	Soluble
Mixtures	50/50 Heptane/Isopropanol	Soluble
	80/20 Heptane/Butylacetate	Soluble
	80/20 Heptane/Ethylacetate	Soluble
	90/10 IPA/Butylacetate	Soluble
	90/10 IPA/Butylacetate	Soluble

3M Resources

To request a sample, place an order or request additional information, please contact your local 3M representative, an authorized 3M distributor or call 3M Customer Service at 1 800 367 8905.

Suggested Formula (by weight)

Solvent or Solvent Blend	94%
SRA-450	6%

***Note:** Suggested formulations are offered only as a starting point for the user's consideration. The user is responsible for evaluating and determining the suitability of any formulation and the use of a 3M product in a formulation. The user should check any formulation for, among other things, compatibility, solubility and performance.

Warranty, Limited Remedy, and Disclaimer: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. User is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. User is solely responsible for evaluating third party intellectual property rights and for ensuring that user's use of 3M product does not violate any third party intellectual property rights. Unless a different warranty is specifically stated in the applicable product literature or packaging insert, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OF NON-INFRINGEMENT OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damages arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

Technical Information: Technical information, recommendations, and other statements contained in this document or provided by 3M personnel are based on tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed. Such information is intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.



3M Advanced Materials Division

3M Center
St. Paul, MN 55144-1000

1-800-367-8905
www.3M.com/paintsandcoatings

Dowanol and Proglyde are trademarks
of Dow Chemical Company.

3M is a trademark of 3M Company. Used
under license by 3M subsidiaries and affiliates.

Please recycle. Printed in USA © 3M 2015.
All rights reserved. Issued: 10/15 10976HB
98-0212-4202-3 Rev B