



Relative Humidity (RH) testing should be done using ASTM-F2170 below-surface and above-surface testing protocol prior to and following the application of 821.



HIGH PERFORMANCE ECO-FRIENDLY PRODUCTS

Moisture & Vapor Reducing SEALER/PRIMER

*with Anti-Microbial Product Protection**

F O R M U L A

821

IMPROVES ADHESION
LOWERS MOISTURE TRANSMISSION

PRODUCT DESCRIPTION:

Sentinel 821 Moisture & Vapor Reducing Sealer/Primer is a low-odor, fast-drying sealer/primer, designed to form a moisture vapor barrier on most construction substrates, while inhibiting the growth of mold and mildew on the dried primer surface.* 821 will reduce MVER (ASTM F-1869) or relative humidity levels of 85% (ASTM F-2170 below surface method) on concrete substrates from <8 lbs. to no more than 3 lbs. with a single coat (ASTM-F2170 above surface method).

Degraded surfaces with an MVER of <8 lbs. may require a second coat for proper moisture reduction given the condition of the substrate. For concrete with an MVER of 8-12 lbs, or up to 90% relative humidity, two coats are necessary. **821 is not recommended for use with MVER's greater than 12 lbs. (Allow +/- 2% deviation when measuring relative humidity.)**



DIRECTIONS: (Always follow product label instructions for best results.)

Substrate to be primed should be clean, free of any loose debris and dry. For best results, the application area should be at least 60° F with humidity levels below 70%. Never allow unused Sentinel 821 to freeze. Product should not be diluted. Sentinel 821 is designed to be applied using a medium nap paint roller. Apply evenly across surface, covering entire surface. Coverage rates will range between 200-400 square feet per gallon, depending on the porosity of the substrate being primed.

Allow 30-60 minutes for the first coat of 821 to dry before applying the second coat.

For single coat applications, allow 4 hours dry time before applying new flooring. Allow 24 hours dry time for two coat applications before applying new flooring or adhesives.

Undried product and rollers can be cleaned up with soap and water.
Dried paint can be removed with Sentinel 205 Paint & Varnish Stripper.

MVER - Moisture Vapor Emission Rate = lbs./1000ft²/24 hours.
*** This primer contains a fungistatic agent which inhibits the growth of mold and mildew on the dried surface of the primer.**

For additional information or assistance with this product, please call Sentinel Customer Service at, **800-373-0633**.

Sentinel 821 contains no hazardous ingredients and is a non-flammable, non-toxic, fast-drying product, designed for use as a moisture-reducing adhesive primer.

See reverse side for
Material Safety Data Sheet (MSDS)

800-373-0633
www.senpro.com

Sentinel Products, Inc
51 NE 77th Ave
Minneapolis MN 55432



MATERIAL SAFETY DATA SHEET

Sentinel Products Inc. - 51 Northeast 77th Avenue, Minneapolis, MN 55432 - (763) 571-0630 – FAX (763) 571-1819

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: Sentinel 821 Moisture Blocking Mold & Mildew Resistant Sealer/Primer

SYNONYMS: EMULSIFIED POLYMER

EMERGENCY MEDICAL AND SPILL NUMBER: 1-866-359-5661

SECTION 2 COMPONENT & EXPOSURE DATA

COMPONENT	%	CAS#	PEL	TLV
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SECTION 3 EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: If this product comes in contact with eyes, gently flush with water for at least 15 minutes. If irritation persists, seek immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

IF SWALLOWED: Drink a glass of water. Contact medical assistance.

SECTION 4 HEALTH HAZARDS & ROUTES OF ENTRY

EYE CONTACT: This product may cause irritation.

SKIN CONTACT: This product may cause mild skin irritation.

IF SWALLOWED: Gastric discomfort.

COMMENTS: THIS SUBSTANCE HAS **NOT** BEEN IDENTIFIED AS A CARCINOGEN OF PROBABLE CARCINOGEN BY NTP, IARC, OR OSHA.

SECTION 5 SPECIAL PROTECTION INFORMATION

VENTILATION: None required.

RESPIRATORY INFORMATION: No protection required

PROTECTIVE GLOVES: None required.

EYE PROTECTION: Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

OTHER PROTECTIVE EQUIPMENT: None

SECTION 6 REACTIVITY DATA

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Nitrogen.

SECTION 7 SPILL OR LEAK PROCEDURES

PRECAUTION IN CASE OF LEAK OR SPILL: Mop up as much as possible, then flush residue with a large volume of water.

WASTE DISPOSAL METHOD: Dispose of product in accordance with applicable local, county, state and federal regulations.

SECTION 8 STORAGE, SHIPPING, & REGULATORY INFORMATION

HANDLING & STORAGE: Keep containers tightly closed. Keep containers cool and dry.

DOT PROPER SHIPPING NAME: Not regulated

DOT HAZARD CLASS: Not a regulated material.

HAZARD RATINGS

	HMIS	NFPA
HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0

SECTION 9 FIRE AND EXPLOSION HAZARD

FLASH POINT (TEST METHOD): None to boiling. **AUTO IGNITION TEMPERATURE:** N/A

FLAMMABLE LIMITS IN AIR. % BY VOL. **LOWER:** N/A **UPPER:** N/A

EXTINGUISHING MEDIA: Use foam CO₂ or dry chemical fire fighting apparatus.

FIRE AND EXPLOSION HAZARD: None.

FIRE FIGHTING PROCEDURES: The use of a self-contained breathing apparatus is recommended for fire fighters.

UNUSUAL FIRE AND EXPLOSION HAZARD: N/A

SECTION 10 PHYSICAL DATA

BOILING POINT (°F): 212° F. **SPECIFIC GRAVITY (H₂O=1):** 1.014

VAPOR PRESSURE: Not known. **MELTING POINT:** N/A

SOLUBILITY IN WATER: Complete. **VAPOR DENSITY:** Not known.

APPEARANCE & ODOR: White liquid-no odor. **EVAPORATION RATE:** Slower than ether.

SECTION 11 DOCUMENTARY INFORMATION

DISCLAIMER OF EXPRESSED OR IMPLIED WARRANTIES The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product or the hazards related to its use. This information and product are furnished on the condition that the person receiving them shall make his/her own determination as to the suitability of the product for his/her particular purpose and on the condition the he/she assume the risk of his use thereof.