

FORMULA

24-7 ZERO V.O.C. HAP's

INTERIOR MOLD & MILDEW RESISTANT GREEN COATING

Zero V.O.C.'s • Zero HAP's • Low Odor

Available in a White and Clear Finish

PRODUCT DESCRIPTION:

SENTINEL 24-7 ZERO is a ZERO V.O.C., ZERO HAP, low odor high-performance coating with antimicrobial protection, designed to inhibit the growth of stain and odor causing mold, mildew, and other microorganisms on the coating film.

Excellent for high traffic areas, it is very durable & scrubbable. 24-7 ZERO is designed to be used on properly prepared woodwork, doors, walls, ceilings, plaster, sheetrock, concrete and other interior surfaces, including HVAC ducting. 24-7 ZERO is not intended for exterior use, or use on floors, unprimed metal surfaces, or in highly-corrosive environments.

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

Material Preparation: Stir material to achieve an even consistency for spraying, brushing or rolling.

Product must NOT be reduced with water or other solvents. This product must not be allowed to freeze!

Surface Preparation: Wash and clean surfaces to remove mold, mildew, grease, dirt and grime with a suitable cleaning compound and rinse. Disinfect all surfaces and rinse thoroughly with water. Allow to dry before applying coating. Remove peeling paint and spackle and sand where necessary. Lightly sand all glossy areas. On new, sanded sheetrock surfaces, remove all dust before painting. **Tinting:** This product is a white base and may be tinted with no more than 4 oz. of colorant/gallon.



Product Application: All surfaces must be clean and completely dry before applying. **To assure proper antimicrobial protection, it is vitally important that all surfaces be completely coated with 24-7 ZERO.** For airless applications, use a .015 - .019 tip and maintain a fan size of about 12 inches. Coating applied at 90° to each other generally ensures a smooth and consistent application. **Primers:** On sheetrock and plaster, apply one coat to prime, a second coat to cover. On new woodwork, use an oil-based primer. On metal, use a suitable, rust inhibiting primer.

Dry Time: This product will dry to the touch in 30 minutes and may be recoated in one hour.

For interior HVAC surfaces: Negative pressure should be utilized during application. Allow coating to dry for 2 hours at room temperature, longer at colder temperatures, then circulate fresh air through the system to further dry the coating. Fresh air should be carefully inspected for odors before ventilating into occupied spaces.

Coverage: For smooth surfaces, expect approximately 300 - 400 sq. ft per gallon coverage. On extremely porous surfaces, expect 80-125 sq. ft. per gallon with a two coat application.

Clean-up: Clean wet product, tools and spills with warm, soapy water. Dry product may be removed with Sentinel 205 Paint & Varnish Stripper. Periodic cleaning with soap and water will maintain the coating surface.

LIMITATIONS: This product does NOT protect users or others against foodborne or disease causing bacteria. This product is not designed to be used in areas with temperatures less than 50°F, excessive heat, corrosive chemical environments, or on exterior siding or horizontal floor and deck areas.

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

SPECIFICATIONS:

APPEARANCE
APPROXIMATE BOILING POINT
ODOR
VOC CONTENT
pH

WHITE
212°F
No Odor
0g/L
9.0-10.0

See reverse side for
Material Safety Data Sheet (MSDS)

Sentinel's 24-7 Coatings
meet the requirements for LEED® EQ Credit 4.2,
low-emission materials; paints and coatings.

MATERIAL SAFETY DATA SHEET

MSDS date: 07/01/2012

Supersedes: All Previous

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

800-373-0633

MEDICAL AND TRANSPORTATION EMERGENCY CONTACT:

1-866-359-5661

PRODUCT IDENTIFICATION

TRADE NAME: **247 ZERO MOLD AND MILDEW RESISTANT COATING** CAS NUMBER: MIXTURE

CHEMICAL FAMILY: LATEX EMULSION/PIGMENT DISPERSION

DOT CLASSIFICATION: NOT REGULATED

PHYSICAL DATA

BOILING RANGE (F): 212(Water) FREEZING POINT (F): 32(Water) SOLUBILITY IN WATER: Dilutable SPECIFIC GRAVITY: 1.3

VAPOR DENSITY (AIR=1): <1 %

VOC Content: 0 g/L

VAPOR PRESSURE (mmHg@68F): 17

pH INFORMATION: 8.5-10.0 EVAPORATION RATE (BUTYL ACETATE = 1): <1 (Water) APPEARANCE/ODOR: WHITE LIQUID/LATEX

HAZARDOUS INGREDIENTS

This coating mixture contains pigments classed by ACGIH as "nuisance dusts". Exposures to spray mists or sanding dusts should be controlled to below 10 mg/m³ through usage of NIOSH/MSHA TC23C or equivalent approved dust filter respirators. Follow respirator manufacturer's directions for respirator use.

SECTION 313 SUPPLIER NOTIFICATION:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372: NONE above de minimis concentrations.

HMS RATING: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0 The user should determine appropriate personal protective equipment based on use conditions.

FIRE AND EXPLOSION DATA

FLASH POINT: Not determined (aqueous system) FIRE EXTINGUISHING MEDIA: Non-flammable (aqueous emulsion)

When water evaporates, remaining material can burn. LEL: Not determined (aqueous system) UEL: Not determined (aqueous system)

Use all-purpose foam for large fires, and CO₂ or dry chemical media for small fires.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus when fighting fires in enclosed areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product will not burn but may spatter if temperature exceeds boiling point of water. Dried solids can burn, giving off oxides and carbon.

REACTIVITY DATA

THIS PRODUCT IS STABLE UNDER NORMAL (AMBIENT) CONDITIONS AND HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion of dried film may produce carbon dioxide and carbon monoxide.

CONDITIONS OR MATERIALS TO AVOID: NONE

HEALTH HAZARD DATA

EFFECTS OF ACUTE OVER EXPOSURE: INGESTION: Irritating to gastrointestinal tract, abdominal pain, and diarrhea.

INHALATION: Trace component, residual monomer, and other organics may be irritating to eyes, skin, mucous membranes, respiratory tract and may produce symptoms of headache, nausea in poorly ventilated areas. SKIN CONTACT: Prolonged contact may cause transient reddening of the skin. EYE CONTACT: Direct contact may be irritating to eyes.

EFFECTS OF REPEATED OVEREXPOSURE: This mixture as provided shows no evidence of chronic effects from available information.

EMERGENCY FIRST AID PROCEDURES: INGESTION: Induce vomiting; consult a physician. INHALATION: Remove to fresh air. If irritation persists, seek medical attention. If victim is not breathing, qualified personnel should administer artificial respiration. Seek immediate medical attention. SKIN CONTACT: Wash affected area thoroughly with mild soap and water. If irritation develops and persists seek medical attention. EYE CONTACT: Immediately flush eyes for 15 minutes occasionally lifting eyelids. If victim wears contact lenses, remove lenses and continue rinsing. Obtain medical attention.

TOXICITY DATA

Not Applicable.

SPILL OR LEAK PROCEDURES

STEPS TO TAKE IN CASE OF SPILL OR LEAK: Major spills should be collected for disposal. Minor spills may be flushed to sewer if permitted by local, state, and federal regulations. WASTE DISPOSAL METHOD: Incinerate or bury in suitable landfill where permitted by appropriate government regulations.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use appropriate MSHA/NIOSH-approved respirator in areas with poor ventilation and when exposed to spray mists or sanding dusts. VENTILATION: General room ventilation is expected to be satisfactory. Use local exhaust if needed.

EYE PROTECTION: Safety glasses and available eye bath. PROTECTIVE GLOVES: Use gloves impervious to water and soap.

SPECIAL PRECAUTIONS

Avoid breathing vapors and keep containers closed. Keep from freezing. Keep out of the reach of children.

DISCLAIMER

The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness. The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations.