Safecoat®

# Trim & Door Enamel Eggshell

**DESCRIPTION**: Safecoat® Trim & Door Enamel is a premium quality enamel paint designed for interior surfaces where a durable finish and superior film formation are needed. Safecoat® formulas are uniquely designed for optimal indoor air quality and minimal exposure to chemical toxicity. They are ideally suited for areas in which the health of occupants is of particular concern, including schools, hospitals, homes and offices. Safecoat® contains no formaldehyde, ammonia, aromatic hydrocarbon compounds, exempt solvents or hazardous air pollutants.

**PRODUCT NUMBER AND CONTAINER SIZE**:
10256 (quart), 10156 (gallon) and 10356 (five gallon).

**ADVANTAGES / SIGNIFICANT BENEFITS:**
- Superior, durable finish resistant to blocking.
- Low odor, safely used by the chemically sensitive.
- Fights indoor air pollution, limits offgassing.
- Very low VOC content, meets or exceeds all federal and state air quality regulations, including California.

**USE ON:** New or existing, properly primed interior wooden trim and doors. The durable finish and superior film formation properties of this coating also make it suitable for properly primed interior walls and ceilings (particularly bathroom and kitchen walls), properly cured and primed plaster (below 10 pH), masonry, and primed metal.

**SURFACE PREPARATION**: Surfaces should be sanded and cleaned of dirt, grease, mildew and oil. Cleaning with an odorless, dye-free, all-purpose cleaner such as SafeChoice® Super Clean is recommended. To achieve an even, consistent finish, the underlying surface must be evenly sealed. Previously painted surfaces in poor condition need to be scraped and sanded smooth before priming with Safecoat® Transitional Primer. Always spot test for adhesion over prior coatings. Before application, coat new wallboard or sheetrock with Safecoat® New Wallboard Primecoat HPV. Sand porous new wood and prime with Safecoat® Transitional Primer. Water and other stains must be blocked so they do not bleed through. In all cases, the best finish will be achieved with a primer and two finish coats. Environmental conditions are crucial: if the air temperature is too hot or too cold, the product will not cure properly; if the air or the wood is too dry, or there is too much moisture in or on the surface, other problems may result. In addition, many surfaces contain water-soluble tannins or acids which are activated by the application of water based products and will “bleed through” to the surface. All of these conditions can be avoided with proper preparation. Finally, Safecoat products are formulated to work together. Optimum results are best obtained by using a Safecoat primer, for example, before applying Safecoat paint. Of course, always read the application instructions before beginning the job.

**APPLICATION**: Always have adequate ventilation. Surface should be completely dry before application. Before using, stir well, then apply with a high-quality nylon or synthetic bristle brush or roller of appropriate nap (1/4”-3/8” nap recommended). Do not apply in thick films or load paint onto the surface. Thin coats are better than one thick coat.

For spraying, dilute if necessary with up to 1/2 pint of water per gallon. Use an airless sprayer, minimum 2000 p.s.i., with a .015-.017 tip. Use a 60 mesh filter. When spraying, do not substitute back-rolling for a second coat. Always use a painter’s mask when spraying. For full-coverage application, overlap preceding application with 1/4 to 1/2 the fan width at a distance of 18” from surface. Always have adequate ventilation. Do not apply on cold, damp days or if surface, container or air temperature is below 55°F. Cold temperatures may cause material to thicken. If this occurs, warm paint to 70+°F and shake or stir vigorously to reduce viscosity. *Note: these instructions are intended to be general only and not exhaustive. The applicator should determine which preparation and techniques are best suited to the specific surface.*

**COVERAGE**: One gallon of Safecoat® Trim & Door Enamel covers approximately 350 square feet in one coat depending on surface porosity.

**RECOATING:** Under normal conditions, Safecoat® Trim & Door Enamel can be recoated after 4 hours. For best results, wait at least 8 hours before recoating. Normal conditions include: a dry surface, access to fresh air flow, moderate humidity, and temperatures above 55°F. Thick application, high humidity, or conditions other than normal will cause paint to dry and cure more slowly. Drying and curing time can be accelerated by moving fresh air over the painted surface, but recoating before the time period noted above is not recommended.

**CLEAN-UP**: Clean tools and equipment while still wet with a solution of SafeChoice® Super Clean and warm water.

**LIMITATIONS**: Unlike conventional paints, Safecoat is made without formaldehyde preservatives or toxic mildewcides or fungicides. Do not contaminate. Store in airtight containers. Do not use when indoor or surface temperature is below 55°F. Do not freeze.

**HEALTH PRECAUTIONS**: As with all coatings, keep container tightly closed and out of the reach of children. Do not take internally. Always use adequate ventilation. Wear a mask when sanding and avoid breathing sanding dust. Avoid contact with skin and eyes and avoid breathing of spray vapors and spray mist. If you are chemically sensitive, always test for personal tolerance.

**LIMITED LIABILITY**: Safecoat® products are guaranteed not to be defective when properly applied. Liability express or implied is limited to replacement of product or refund of purchase price and does not include liability for labor costs or consequential damages. Variable factors out of manufacturer’s control, such as environmental conditions, application techniques, and surface conditions are critical to results obtained. Users are expected to exercise reasonable care to determine suitability of the product for each application. This limited warranty may not be modified or extended by manufacturer’s representatives, distributors or dealers of AFM products. **We particularly recommend that users always test in small inconspicuous areas before application to the entire surface.**

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# MATERIAL SAFETY DATA SHEET

Prepared according to 29 CFR 1910.1200

N/A = Not applicable — Revised 9/30/08

## SECTION 1 - PRODUCT IDENTIFICATION

**Trade Name: Safecoat Trim & Door Enamel - Eggshell**
Product I.D.# & Color: 1056 White
Product Class: Waterborne Polymer Emulsion
Supplier's Name: American Formulating & Manufacturing
Telephone #: (619) 239-0321 Fax # 619-239-0565
Address: 3251 Third Avenue, San Diego, CA 92103
Emergency Phone (MSDS Information): (619) 239-0321 or (562) 693-0872
D.O.T. Emergency Phone Number: (562) 693-0872
US DOT Hazard Shipping Class: Not regulated - aqueous
D.O.T. Labels/Placards Required: No
OSHA Class: 29CFR 1910.1200 Non-hazardous
SARA TITLE III Emergency & Community Right to Know:
Section 311/312 Categorizations (40 CFR 370): Not a hazardous chemical
Section 313 Information (40 CFR 372): This product does not contain a chemical which is listed in Section 313 above de minimis concentrations.

## SECTION 2 - INGREDIENTS

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|---|---|---|
| Acrylic Emulsion Copolymer | CAS #: Mixture | Weight %: 55–60 |
| Vapor Pressure 17 mm Hg @ 68 F | | |
| Water | CAS #: 7732-18-5 | Weight %: 20–25 |
| Titanium Dioxide | CAS #: 13463-67-7 | Weight %: 15–20 |
| Pigment dust when dry or sanded | ACGIH TLV 10 mg/m3 total dust | |
| Acrylic Emulsion Copolymer | CAS #: Mixture | Weight %: <5 |
| Vapor Pressure 17 mm Hg @ 68 F | | |
| Ester Alcohol | CAS #: 25265-77-4 | Weight %: <4 |

## SECTION 3 - PHYSICAL DATA

Physical Description: Viscous liquid, low odor, mildly alkaline, white (if not tinted). Very mild paint odor.

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|---|---|
| Boiling Point: | 100 C/212 F |
| Melting Point: | N/A |
| Vapor Density: | Heavier than air |
| % Volatile by Volume: | 59.46% |
| LBS/GAL Theoretical: | 10.19 +or- .15 |
| Solubility in Water: | Dilutable |
| Vapor Pressure, mmHg @ 20degC: | N/A |
| Evaporation Rate: | Slower than ether |
| % Volatile by Weight: | 50.52% |
| Specific Gravity (Water=1): | 1.22 |
| VOC Material: | 21 g/l, 0.17 lb./gal |
| VOC Material less H20: | 49 g/l, 0.41 lb./gal |

## SECTION 4 - FIRE & EXPLOSION HAZARD DATA

**Flash Point**: N/A non-combustible
**Flammable limits in air, volume % - lower LEL**: 2.6 **Upper UEL**: 4.24
**Fire Extinguishing Media**: Water, carbon dioxide, dry chemical
**Personal Protective Equipment**: Self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear may be worn if desired, but not necessary for normal use.
**Autoignition Temp.**: N/A
**Special Fire Fighting Procedures**: Use water (fog) to cool closed containers. Wear self contained breathing apparatus.
**Unusual Fire & Explosion Hazards**: Closed containers may explode due to the build up of steam pressure when exposed to extreme heat. Material can splatter above 100°C/212°F. Polymer film can burn.

## SECTION 5 - HEALTH HAZARD INFORMATION & FIRST AID

**Threshold Limit Value**: See Section 2 for hazardous ingredient information

**Symptoms of Overexposure**

**Symptoms and Effects of Short Term Exposure**: Acute. Primary route of entry:

Swallowing: Unknown.
Inhalation: Inhalation-spray mists may cause mild respiratory irritation.
Eye Contact: Liquid splashed into the eye may cause transient eye irritation.
Skin Absorption: None known.

**Symptoms and Effects of Repeated Overexposure**: Chronic - None known.
**Medical Conditions Generally Aggravated by Exposure**: None known.

**Emergency & First Aid Procedures:**

Inhalation: Remove from exposure. Provide plenty of fresh air.
Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Take to a physician for medical treatment.
Splash (skin): Remove with soap and water. Remove contaminated clothing. Supply copious amounts of fresh water to the skin areas to rinse material away.
Ingestion (Swallowing): Consult with physician, hospital emergency room, or poison control center immediately. Only if conscious, give 2 glasses of water to drink.
Notes to Physician: Any treatment that might be required for overexposure should be directed at the control of symptoms and the clinical conditions.
Suspected Cancer Agents: Federal OSHA: No NTP: NO IARC: IARC’s Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."
HMIS Codes: H-1 F-0 R-0 P-0

## SECTION 6 - REACTIVITY DATA

**Stability**: Stable, however avoid temperatures above 177°C/350°F, the onset of polymer decomposition.
**Incompatibility (materials to avoid):** Avoid materials that are water reactive, highly alkaline or highly acidic.
**Hazardous Decomposition by-products**: CO, CO2 on combustion
**Hazardous Polymerization**: Will not occur.
**Conditions to Avoid**: Excess heat may cause containers to rupture. Avoid temperatures below 45°F or freezing conditions.

## SECTION 7 - SPILL, DISPOSAL PROCEDURES; ENVIRONMENTAL DATA

**Steps to be taken in case material is released or spilled**: Confine in small area; contain and remove with inert absorbent (sand, earth, etc.). Place in proper container for proper disposal. CAUTION - Keep out of waterways, drains, sewers by diking. Keep spectators away. Floor may be slippery. Use care to avoid falling.
**Waste Disposal Method**: Place contaminated material in suitable sealed metal containers for disposal. Do not incinerate closed containers. Use non leaking containers, seal tightly and label properly. Do not pour contaminated paint back into unused paint. Do not throw liquid paint into the trash. Where allowed by local laws (check with local regulatory agencies) allow liquid waste materials to dry out before disposing into trash containers. Take all liquid unused paint that cannot be used to approved recycling centers, paint roundups, or county facilities that are approved to take unused paint at collection sites. Contact state, county, city health services or fire departments to find nearest collection centers. Do not dispose of waste into water streams or storm water sewers. Do not mix with other kinds of waste. Dispose all waste in accordance with local, state and federal regulations.
**RCRA Classification**: As produced, this product is not a waste. If discarded as is, it is not classified a “Hazardous” waste under RCRA. This product is not ignitable, corrosive, reactive, or toxic; therefore is not defined as hazardous by the EPA.
**Environmental Hazards**: None known.

## SECTION 8 - SPECIAL PROTECTION INFORMATION

**Respiratory Protection**: If applied by spraying, use an appropriate, properly fitted NIOSH/MSHA approved respirator to remove spray mist. Good room (mechanical) ventilation should be sufficient protection against vapors from product. If further protection is desired or if persons are sensitive to vapors, use a respirator with a NIOSH/MSHA approval number TC-23C-860 or TC-23C-87 or an equivalent. Refer to OSHA 29 CFR 1910.134, “Respiratory Protection”.
**Ventilation:** General (mechanical) room ventilation is expected to be satisfactory.
**Protective Gloves**: None required under most conditions. If protection is desired, plastic, nitrile or latex rubber will provide adequate protection.
**Eye Protection**: Safety glasses or goggles with side shields if splashing may occur. Use goggles when spraying, ANSI Z87.1 or approved equivalent.
**Other Protection**: Eye wash or copious amounts of water as a precautionary measure is suggested. Other equipment not likely to be needed.

## SECTION 9 - STORAGE & SPECIAL HANDLING

**Storage Temperature**: Min. 45degF - Max. 120degF/Indoor and outdoor = OK
This product should be stored at room temperature to prolong shelf life. Keep containers in a cool, dry place. Avoid subjecting this product to extreme temperature variations and freezing. Adverse conditions can cause emulsion coagulation.
***KEEP CONTAINER CLOSED. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. DO NOT GET IN EYES. IF PRODUCT IS SPRAYED, PREVENT PROLONGED OR REPEATED BREATHING OF SPRAY MIST. USE ADEQUATE VENTILATION WHEN USING THIS PRODUCT. USE GOOD HYGIENE PRACTICES AND WASH AFTER USING PRODUCT.***

NOTICE: The data and recommendations presented herein are based upon our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made, however, and the product discussed is distributed without warranty, expressed or implied, and the person receiving such product shall make his own determination of the suitability thereof for his particular purpose. The use of this information and the conditions and use of this product are controlled by the user, and it is the responsibility and obligation of the user to determine the conditions of safe use of this product. If persons using this product are chemically sensitive, a test for personal tolerance is recommended.