Safecoat®

Semi-Gloss Cabinet & Trim Enamel

DESCRIPTION: Safecoat Cabinet & Trim Enamel is a premium quality, fast curing enamel paint specially formulated for interior surfaces where exceptional durability, abrasion resistance and block resistance are required. Its durable finish and superior film formation properties make it particularly well suited for kitchen and bathroom cabinets and walls. Like all Safecoat paints, it can be used wherever the health of the occupants is a concern: schools, hospitals, homes, offices - anywhere people want to reduce their exposure to toxic chemicals.

USE ON: Cabinets, trim, doors, wood and any other surfaces on which the superior qualities of this paint are desired.

PRODUCT NUMBER AND CONTAINER SIZE:
10252 (quart), 10152 (gallon) and 10352 (five gallon).

ADVANTAGES / SIGNIFICANT BENEFITS:
- Extremely durable, semi-gloss finish.
- Resistant to blocking.
- Safely used by and for the chemically sensitive.
- Low odor, non-offensive to installer and occupant.
- Fights indoor air pollution, seals in the outgassing from the substrate.
- Very low VOC content, meets or exceeds all federal and state air quality regulations, including California.

SURFACE PREPARATION: Careful surface preparation is the most important part of painting. Surfaces to be coated with Safecoat Cabinet & Trim Enamel should be sound and cleaned of dirt, grease and oil. Cleaning with an odorless, dye-free, all-purpose cleaner like ***SafeChoice Super Clean*** is recommended. Previously painted surfaces in poor condition should be scraped, sanded smooth, and primed with a coat of ***Safecoat Transitional Primer***. Always test for adhesion over prior coatings (water based paints do not adhere well to oil based finishes without removal or careful surface preparation, for example). New wallboard or sheetrock should first be coated with ***Safecoat New Wallboard Primecoat HPV***. Porous new wood should be sealed and sanded before priming with ***Safecoat Transitional Primer***. Note that many types of wood require sealing with special stain and tannin blocking primers before they can be coated with a waterbased paint. Such water and other stains must be blocked before applying Safecoat.

The best results 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 a water based product and will "bleed through" to the surface absent application of a specialty primer. 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. The surface should be completely dry before application. Before using, stir well, then apply as is, using 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, reduce 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 backrolling for a second coat. Always use a painter's mask when spraying.

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

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

DRYING/CURING TIME: Under normal conditions, Safecoat Cabinet & Trim Enamel dries to touch in one hour. Wait at least four hours before applying each additional coat - longer if rainy or high humidity conditions prevail. 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 Safecoat to dry and cure more slowly.

COLORS: Safecoat Cabinet & Trim Enamel is available in bases which may be tinted to virtually any shade with a water-based tinting system available at most paint stores.

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

HEALTH PRECAUTIONS: As with all coatings and stains, keep container tightly closed and out of the reach of children. Do not take internally. Keep from freezing. Always use adequate ventilation. If you are chemically sensitive, always test for personal tolerance.

LIMITED LIABILITY: The great variation between environmental factors, possible surfaces and application techniques, and the lack of control we have over such matters, must affect our policies. Safecoat products are guaranteed not to be defective when applied and used in accordance with instructions. However, liability, whether express or implied, is limited to replacement of product or refund of purchase price and cannot include liability for labor costs or consequential damages. Because of the variety of circumstances affecting each job, it is the user's responsibility to determine the suitability and safety of the product for any particular 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.**

MATERIAL SAFETY DATA SHEET

Prepared according to 29 CFR 1910.1200

N/A = Not applicable Revised 1/15/03

SECTION 1 - PRODUCT IDENTIFICATION

Trade Name: Safecoat Cabinet &Trim Enamel - SemiGloss
Product I.D.# & Color: 1052 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

Acrylic Emulsion Copolymer CAS #: Mixture Weight Percent: 45 – 50
Vapor Pressure 17 mm Hg @ 68 F
Titanium Dioxide CAS #: 13463-67-7 Weight Percent: 15 – 20
Pigment dust when dry or sanded ACGIH TLV 10 mg/m3 total dust
Acrylic Emulsion Copolymer CAS #: Mixture Weight Percent: 10 – 15
Vapor Pressure 17 mm Hg @ 68 F
Water CAS #: 7732-18-5 Weight Percent: 10 – 15
Aqueous Copolymer CAS #: Mixture Weight Percent: < 4
Vapor Pressure 14 mm Hg @ 68 F
Ester Alcohol CAS #: 25265-77-4.010 Weight Percent: < 3
Acrylic Emulsion Copolymer CAS #: Mixture Weight Percent: < 3
Vapor Pressure 17 mm Hg @ 68 F
Propylene Glycol CAS #: 57-55-6 Weight Percent: < 3
Vapor Pressure .22 mm Hg @ 77 F
Suspected Cancer Agents: Federal OSHA: No NTP: NO IARC: No None known.
HMIS Codes: H-1 F-0 R-0 P-B

SECTION 3 - PHYSICAL DATA

Physical Description: Viscous liquid, low odor, mildly alkaline, white (if not tinted). Very mild paint odor.
Boiling Point: .....100 C/212 F
Melting Point: .....N/A
Vapor Density: .....Heavier than air
% Volatile by Volume: 63.36%
LBS/GAL Theoretical: .....10.05 +or- .15
Solubility in Water: .....Dilutable
Vapor Pressure, mmHg @ 20degC: .....N/A
Evaporation Rate: .....Slower than ether
% Volatile by Weight: 53.00%
Specific Gravity (Water=1): 1.21
VOC Material: .....63 g/l, 0.53 lb./gal
VOC Material less H20: .....147 g/l, 1.23 lb./gal

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point: N/A non-combustible
Flammable limits in air, volume % - lower LEL: .62 **Upper UEL**: 12.5
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.

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.