MATERIAL SAFETY DATA SHEET
Prepared according to 29 CFR 1910.1200
Revised 1/15/03

SECTION 1 - PRODUCT IDENTIFICATION
Trade Name: Safecoat Hard Seal
Product I.D. & Color: 3101 Clear
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: (619) 239-0321 or (562) 693-0872

SECTION 2 – INGREDIENTS

Water
CAS #: 7732-18-5 Weight Percent: 40 – 45

Acrylic Emulsion Polymer
CAS #: Mixture Weight Percent: 30 – 35

Exposure limits: None assigned Vapor Pressure 17 mm Hg @ 68 F

Acrylic Polymer Emulsion
CAS #: Mixture Weight Percent: 15 – 20

Exposure limits: None assigned Vapor Pressure 17 mm Hg @ 68 F

Ester Alcohol
CAS #: 25265-77-4 Weight Percent: <3 Vapor Pressure .010 mm Hg @ 68 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
Boiling Point: ..............................................................100 C/212 F
Melting Point: ..............................................................N/A

Vapor Density: .............................................................Heavier than air
% Volatile by Volume: ..................................................80.70 %
Vapor Pressure: mmHg @ 20degC..............................N/A
Evaporation Rate: ..........................................................Slower than ether
% Volatile by Weight: ....................................................77.44 %
Specific Gravity (Water=1): ...........................................1.02
VOC Material: .............................................................21 g/l, 0.18 lb./gal
VOC Material less H2O: ...............................................100 g/l, .83 lb./gal

SECTION 4 - FIRE & EXPLOSION HAZARD DATA
Flash Point: N/A non-combustible
Flammable limits in air, volume % - lower LEL: .62 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: Acute. Primary route of entry:
Swallowing: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
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.

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: Exposure as it 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 respirator approved by MSHA or equivalent. 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 glass, goggles and 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.