

MATERIAL SAFETY DATA SHEET

Prepared according to 29 CFR 1910.1200

Revised 07/15/14

N/A = Not applicable

SECTION 1 - PRODUCT IDENTIFICATION

Trade Name: Safecoat EcoLacq

Product I.D.# & Color: 5101 Clear

Product Class: Waterborne Acrylic 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): See Section 2

SECTION 2 - INGREDIENTS

Modified Acrylic Emulsion Copolymer CAS #: Mixture Weight Percent: 45-50

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

Water CAS #: 7732-18-5 **Weight Percent:** 15-20

Dipropylene Glycol Methyl Ether CAS #: 34590-94-8 **Weight Percent:** 5 - 10

OSHA – 100 ppm (600 mg/m³) (skin)

NIOSH – 100 ppm (600 mg/m³) ST 150 ppm (900 mg/m³)

Vapor Pressure 0.5 mm Hg @ 77 F

Titanium Dioxide CAS# 13463-67-7 **Weight Percent** 15-20

Polysiloxane Polymer CAS #: Mixture Weight Percent: < 3

HMIS Codes: H-1 F-0 R-0 P-B

SECTION 3 - PHYSICAL DATA

Physical Description: Liquid, slight mild ethereal odor, clear.

Boiling Point: (Water) 190-212F

Melting Point: N/A

Vapor Density: Heavier than air

% Volatile by Volume: 67.57%

LBS/GAL Theoretical: 10.08 +/- .15

Solubility in Water: Dilutable

Vapor Pressure, mmHg @ 20degC: N/A

Evaporation Rate: Slower than ether

% Volatile by Weight 55.10%

Specific Gravity (Water=1): 1.02

VOC Material: 74 grams/liter, .

VOC Material less H₂O: 182 grams/liter,

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point: 354 F **Method Used:** P.M.C.C.

Flammable limits in air, volume % - lower LEL: 1.1-392F **Upper UEL:** 3.0

Flame spread and smoke development (ASTM E-84-94) **Class Rating A**

Flame Spread – less than twenty-five (<25)

Smoke Development – less than twenty-five (<25)

Fire Extinguishing Media: For residual solids, use water spray, carbon dioxide, dry chemical or foam.

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: If water is used, fog nozzles are preferable. Use water to cool closed containers. Wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH approved or equivalent) and full protective gear.

Unusual Fire & Explosion Hazards: Closed containers may explode due to the build up of steam pressure when exposed to extreme heat.

SECTION 5 - REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: None known.

Incompatibility (materials to avoid): None known.

Hazardous Decomposition by-products: Burning, including when heated by welding or cutting, will produce smoke, carbon monoxide and low molecular weight organic compounds may be formed.

Hazardous Polymerization: Will not occur.

SECTION 6 - HEALTH HAZARD INFORMATION & FIRST AID

Inhalation Health Risks and Symptoms of Exposure: Inhalation of mists and concentrated vapors may cause mild respiratory irritation, and irritation of the mucous membranes, eyes, and nose. High concentrations can cause nasal and respiratory irritation, dizziness, fatigue, nausea, headache, and central nervous system depression.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Skin: May cause transient skin irritation. Can cause defatting, drying, and cracking of skin which may result in skin irritation and dermatitis. Short term exposure is not expected to cause irritation to most people. Eye: Liquid splashed into the eye (s) may cause transient eye irritation, redness, tearing, and/or blurred vision.

Skin Absorption Health Risks and Symptoms of Exposure: This product is not normally expected to be absorbed through skin. No harmful effects from skin absorption have been reported.

Ingestion Health Risks and Symptoms of Exposure: Swallowing can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. **Aspiration Hazard:** This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. All other effects unknown.

Health Hazards (Acute and Chronic): Inhalation of vapors or spray mists in poorly ventilated areas may cause irritation of the mucous membranes of the nose, throat, respiratory tract, and symptoms of headache and nausea. Repeated contact with skin may cause irritation.

Carcinogenicity: NTP Carcinogen: No IARC Monographs: No OSHA: No

Medical Conditions Generally Aggravated by Exposure: Pre-existing eye, skin, allergy and/or respiratory disorders may be aggravated by exposure. All other conditions unknown.

Emergency & First Aid Procedures:

Inhalation: Remove from exposure, provide plenty of fresh air. If symptoms persist, get medical attention.

Ingestion (Swallowing): Do not induce vomiting. Call physician, hospital emergency room, paramedics or poison control center immediately. Keep patient warm and quiet.

Eyes: Remove any contact lenses. Immediately flush eyes with large (copious) amounts of water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention.

Skin: Remove with soap and water by thoroughly washing. Remove contaminated clothing. Supply large (copious) amounts of water as a fresh water rinse to help remove material from skin. If irritation persists, get medical attention.

Note to Physician: Any treatment that might be required for overexposure should be directed at the control of the symptoms and the clinical conditions.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Confine and dike spilled material in small area; contain and remove with inert absorbent (such as kitty-litter, vermiculite, absorbent, sand, and other designated non-combustible absorbent – inert materials). Place in proper leak-proof container for disposal. Use protective equipment as defined in Section 8.

Waste Disposal Method: Place contaminated material in a suitable tightly sealed, non-leaking metal container designed for disposal. Seal and label container properly. Do not incinerate closed containers. Do not pour contaminated product back into unused product. Do not throw liquid waste in the general rubbish/trash. Do not throw into sewers, storm drains or general surface water courses. Where it is allowed by law (always check with local authorities first) allow liquid waste materials to dry out before disposing into regular trash containers. Take all liquid unused product that cannot be used to an approved recycling center, community paint roundup, or county facility that is approved to take unused paint at collection sites. Recycle when possible. Contact state, county, city health services or fire departments for more specific community information. Dispose all waste in accordance with local, state and federal regulations, laws and guidelines.

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.

Precautions to be Taken in Handling and Storing: Should be stored at room temperature to prolong shelf life. Keep from freezing. Keep container closed after each use. Store in original factory marked containers. Do not allow containers to deteriorate and cause leaking of material.

Other Precautions: Keep out of reach of children. Do not take internally. Do not get into eyes, ears, or other body openings. Avoid unnecessary skin contact. Prevent prolonged and repeated breathing of vapors and spray mists. Keep out of surface waters and any water courses or sewers entering or leading to surface waters. Empty containers may contain residue of product: do not puncture or weld on or near the container. Do not use empty container for storing food items. Do not mix with unknown substances.

Environmental Hazards: None known.

SECTION 8 – CONTROL MEASURES

Respiratory Protection: Dust and Vapors: Use an appropriate, properly fitted NIOSH/MSHA approved respirator to remove dust and vapors. Refer to OSHA 29 CFR 1910.134, "Respiratory Protection".

Ventilation: General (mechanical) room ventilation is expected to be satisfactory under normal conditions.

Protective Gloves: None required under most conditions. If protection is desired, vinyl plastic or latex rubber will provide adequate protection in most cases. Extra, long-term exposure may require a heavier glove made out of nitrile rubber, neoprene or viton.

Eye Protection: Wear safety glasses if splashing may occur. Safety glasses should have side shields for extra splash protection. Wear face shield or goggles as necessary for heavy spraying. ANSI Z87.1 or equivalent is recommended.

Other Protective Clothing or Equipment: Not likely to be needed. An eye wash station and a water shower can be used as a precautionary measure.

Work/Hygienic Practices: Use good hygiene practices and wash hands with soap and water before eating, drinking, smoking and using the restroom/toilet facilities.

SECTION 9 – ENVIRONMENTAL & REGULATORY CONTROLS – N/A

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.