



Material Safety Data Sheet A-1100

SECTION I – MANUFACTURER IDENTIFICATION

Product Number: A-1100 Texture and Concrete Color Seal
 Product Class: Acrylic-Deck Coating

Hazard Rating: H F R P
 1 0 0 E

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Ingredients	Case No.	Percent Wt.	ACGIH		OSHA PEL	
			PPM	mg/M3	PPM	mg/M3
Titanium Dioxide	13463-67-7	1-23	30 mppcf	10	NA	15
Silicon Dioxide	NA	6-27	3 mppcf	.10	NA	NA
Ethylene Glycol	107-21-1	2	50	NA	NA	NA
Phenylmercurlic Acetate	NA	.02	NA	.01	NA	NA
Aqua Ammonia	1336-21-6	.02	25	18	50	35
Ester Alcohol	25265-77-4	.8	NA	NA	NA	NA
Attapulgate Clay	NA	.3	NA	NA	NA	NA
Diatomaceous Earth	NA	5-9	NA	.074	NA	NA

Acrylic Polymer Not Hazardous

HAZARDS IDENTIFICATION

Inhalation Inhalation of vapor or mist can cause the following:
 Headache, nausea, irritation of nose, throat and lungs

Eye Contact Direct contact with material can cause the following:
 Slight irritation.

Skin Contact Prolonged or repeated skin contact can cause the following:
 Slight skin irritation

FIRE FIGHTING INFORMATION

Unusual Hazards Material can splatter above 100c/212F. Polymer film can burn.

Extinguishing Agents Use extinguishing media appropriate for surrounding fire.

Personal Protective Equipment

Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.

SPILL OF LEAK HANDLING INFORMATION

Personal Protection Appropriate protective equipment must be worn when handling a spill of this material. See the **PERSONAL PROTECTION MEASURE** Section for recommendations. If exposed to material during clean-up operations, see the **FIRST AID PROCEDURES** Section for actions to follow.

Procedures Keep spectators away. Floor may be slippery: use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. **CAUTION:** Keep spills and cleaning runoff out of the municipal sewers and open bodies of water.

HAZARD INFORMATION

HEALTH EFFECTS FROM OVEREXPOSURE

Primary Routes of Exposure

Inhalation
Skin Contact

Inhalation Inhalation of vapor or mist can cause the following:
Headache, nausea, irritation of nose, throat and lungs

Eye Contact Direct contact with material can cause the following:
Slight irritation.

Skin Contact Prolonged or repeated skin contact can cause the following:
Slight skin irritation

FIRE AND EXPLOSIVE PROPERTIES

Flash Point	Noncombustible
Auto-ignition temperature	Not Applicable
Lower explosive limit	Not Applicable
Upper explosive limit	Not Applicable

REACTIVE INFORMATION

Instability This Material is considered stable. However, avoid temperatures above 177C/350F the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

Hazardous Decomposition Products
Thermal decomposition may yield acrylic monomers.

Hazardous Polymerization
Product will not undergo polymerization.

Incompatibility There are no known materials which are incompatible with this product.

Exposure Limit Information

Component

No	Units	OSHA				ACGIH	
		TWA	STEL	TWA	STEL		STEL
1		None	None	None	None	None	None
2		a	a	a	a	a	a
3	PPM	25	35	None	35	25	35
4		None	None	None	None	None	None

a not required

PERSONAL PROTECTION MEASURES

Respiratory Protection

None required if airborne concentrations are maintained below the TWA/TLV's listed in the COMPONENT EXPOSURE INFORMATION Section. For airborne concentrations up to 10 times the TWA/TLV's listed in the COMPONENT EXPOSURE INFORMATION Section wear a MSHA/NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with organic vapor cartridges.

Eye Protection Use chemical splash goggles (ANSI 287.1 or approved equivalent).

Hand Protection The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection:
Neoprene

FACILITY CONTROL MEASURES

Ventilation Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (30 m/min.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Other Protective Equipment

Facilities storing or utilizing this material should be equipped with an eyewash facility.

STORAGE AND HANDLING INFORMATION

Storage Conditions Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1C/34F. The maximum recommended storage temperature for this material is 49C/120F.

Handling Procedures Monomer vapors can be evolved when material is heated during processing operations. See FACILITY CONTROL MEASURES Section for types of ventilation required.

SUPPLEMENTAL INFORMATION

TYPICAL PHYSICAL PROPERTIES

Appearance	Milky
Color	White
State	Liquid
Odor Characteristic	Ammonia odor
Viscosity	50 CPS Maximum
Specific Gravity (Water=1)	1-1.2
Vapor Density (Air=1)	17mm Hg@20°C/68°F Water
Melting point	0°C/32°F Water
Boiling point	100°C/212°F Water
Solubility in water	Dilutable

TOXICITY INFORMATION

Acute Data The information shown in the HEALTH EFFECTS FROM OVEREXPOSURE Section is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product. Typical data are:
Oral LD50 – rat: > 5000mg/kg

Dermal LD50 – rabbit > 5000 mg/kg
Skin irritation – rabbit: practically non-irritating
Eye irritation – rabbit: inconsequential irritation

Procedure Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

REGULATORY INFORMATION
WORKPLACE CLASSIFICATIONS

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

TRANSPORTATION CLASSIFICATIONS

US DOT Hazard Class No regulated

EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3)

Section 311/312 Categorizations (40CFR 370)

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA

Section 313 Information (40CFR 372)

This product does not contain a chemical which is listed in Section 313 and de minimis concentrations.

CERCLA INFORMATION (40CFR 302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

RCRA INFORMATION

When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resources Conservation and Recovery Act (40 CFR 261).

CHEMICAL CONTROL LAW STATUS

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

STATE RIGHT TO KNOW LAWS

Any material listed as “Not Hazardous” in the CAS REG NO column of the component information Section of the MSDS is trade secret under the provisions of the Pennsylvania Worker and Community Right to Know Act.