



ACRYLIC COATINGS

MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

Product Name: Acrylabs 3100 Series Coatings (EPDM/Single Ply Primer)
Chemical Name: Acrylic Coating Solution
Date of Revision: 5/11/2005

SECTION II: COMPANY IDENTIFICATION

Address: Acrylabs, Inc.
730 Commercial Lane
Honey Brook, PA 19344

Emergency Phone Number: (610) 273-1355
Informational Phone Number: 866-273-1355

SECTION III: INGREDIENTS

<u>Ingredient</u>	<u>CAS Regulation #</u>	<u>Weight (%)</u>	<u>Vapor Pressure (mm HG @ Temp.)</u>	<u>Occupational Exposure Limits</u>
Anionic/Nonionic Surfactant Mixture	Trade Secret	1.00 - 3.00	N/A	N/A
Inorganic Salts	Trade Secret	9.00 - 11.00	N/A	N/A
Water	7732-18-5	87.00 - 89.00	760.00 mm Hg @ 68° F	N/A

SECTION IV: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear light pink liquid
State: Liquid
Odor Characteristics: Mild odor
pH: 13 - 13.5
Vapor Density: 1.0 Water (air = 1)
Vapor Pressure: No data
Melting Point: 0° C (32° F) Water
Boiling Point: 100° C (212° F) Water
Solubility in Water: Completely soluble
Percent Volatile: 87.00 - 89.00
Evaporation Rate: >1 Water

The physical and chemical data given in Section 4 are typical values for this product and are not intended to be product specifications.

SECTION V: HAZARDS IDENTIFICATION

Acute Eye: Eye contact may cause severe irritation, pain, tearing, or corneal burns.

Acute Skin: Prolonged or repeated skin contact can cause moderate skin irritation and reddening. Contact with moist skin can cause burns.

Acute Inhalation: Inhalation of vapor or mist may cause severe irritation of the nose, throat, and lungs, chest pain and coughing.

Acute Ingestion: Material is harmful if swallowed. Gastrointestinal irritation, nausea, vomiting, or diarrhea may occur.

SECTION VI: FIRST AID MEASURES

Eye Exposure: Flush with a steady, gentle stream of water for a minimum of 15 minutes. Seek prompt medical attention.

Skin Exposure: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Seek medical attention. Wash contaminated clothing thoroughly before reuse and do not take clothing home to be laundered.

Inhalation: Move subject to fresh air. If breathing becomes difficult, supply oxygen. If breathing ceases, induce artificial respiration. Seek medical attention immediately.

Ingestion: Drink 1-2 glasses of milk or water. DO NOT induce vomiting. If vomiting occurs, keep airway clear. DO NOT give anything orally to an unconscious person. Seek medical attention immediately.

**Physicians should treat symptomatically.*

SECTION VII: FIRE FIGHTING MEASURES

Flash Point: Non-combustible

Auto-ignition Temperature: No data

Lower Explosive Limit: Not applicable

Upper Explosive Limit: Not applicable

Means of Extinguishing: Foam, CO₂, Dry chemical, Water Fog

Personal Protective Equipment: Wear full protective gear and use a self-contained breathing apparatus (pressure-demand, NIOSH approved or equivalent).

Unusual Fire and Explosion Hazards: In the case of a fire, pressure may build up in tightly closed containers, resulting in the rupture of the container. Keep containers cooled with water spray in order to prevent such occurrences. Contain run-off. Remain upwind.

SECTION VIII: ACCIDENTAL RELEASE MEASURES

Procedures: Use inert materials (e.g. sand, earth) to immediately contain the spill. Ventilate any confined areas. Keep spectators away. Keep spills and cleaning runoffs out of municipal sewers. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. Take care to avoid falling as the floor may be very slippery.

Personal Protection: Material is a severe irritant. Compatible, chemically resistant gloves and protective clothing, including splash-proof goggles and rubber overshoes should be worn. If exposed to material, immediately remove all contaminated clothing and use soap and water to wash exposed areas.

SECTION IX: HANDLING AND STORAGE

Storage Conditions: Avoid temperature extremes. Store in tightly-closed containers in a well-ventilated area.

Handling Procedures: Use in well-ventilated areas. Wash after handling the material and shower at the end of the work period. Keep away from food, feed, or drinking water. Keep out of reach of children.

Other: Improper disposal or re-use of this container may be dangerous and illegal. Consult applicable local, state and federal regulations for more information.

SECTION X: EXPOSURE CONTROLS-PERSONAL PROTECTION

Exposure Limit Information:

Ingredient	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
Anionic/Nonionic Surfactant Mixture	None	None	None	None
Inorganic Salts	None	None	None	None
Water	None	None	None	None

Respiratory Protection: Under normal operating conditions, there are no requirements. Whenever workplace conditions warrant the use of a respirator, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be used. Where vapor or mists may occur, wear a MSHA/NIOSH approved half-mask air-purifying respirator or equivalent. The air-purifying respirators should be equipped with NIOSH approved organic vapor cartridges and N-95 filters or equivalent. If oil mist is present, R95 or P95 filters should be used.

Eye Protection: Use ANSI Z87.1 approved or equivalent chemical splash goggles or face shield. Eye protection worn must be compatible with the respiratory protection system being used.

Hand Protection: Chemical-resistant gloves should be worn whenever handling this material. Neoprene or butyl rubber gloves should be used for splash protection only. Glove permeation data does not exist for this material. Gloves should be rinsed and removed immediately after use. If there is any indication of degradation or chemical breakthrough, gloves should be removed and replaced immediately. Hands should be washed with soap and water.

Other Protection: To avoid prolonged or repeated skin contact, a chemically-resistant apron or impervious clothing should be worn.

Engineering Controls (Ventilation): An exhaust ventilation with a minimum capture velocity of 100 ft/min (.5m/sec) at the point of vapor evolution should be used. Information on the design, installation, use and maintenance of exhaust systems can be found in the current edition of Industrial Ventilation: A Manual of Recommended Practice, published by the American Conference of Governmental Industrial Hygienists.

Other Protective Equipment: A safety shower and eyewash facility should be located wherever the material is being used or stored.

SECTION XI: STABILITY AND REACTIVITY

Instability: Although this material is considered stable, exposure to excessive heat should be avoided.

Hazardous Decomposition Products: No hazardous decomposition products are known for this material.

Hazardous Polymerization: Hazardous polymerization does not take place with this product.

Incompatibility: Contact with strong oxidizers, reducing agents, bases, acids, mineral acids, and aluminum should be avoided.

SECTION XII: TOXICOLOGICAL INFORMATION

No toxicity data available for this material

Toxicity data for individual ingredients:

•**Anionic/nonionic surfactant mixture:**

Oral LD50 - rat: 707 mg/kg

Dermal LD50 - rabbit: 12,300 mg/kg

Inhalation LC50 - rat: >21.5 mg/L

•**Inorganic salts:**

Oral LD50 - rat: 6,500 mg/kg

SECTION XIII: ECOLOGICAL INFORMATION

Environmental Toxicity:

•**For Anionic/nonionic surfactant mixture:**

Algae, 96 Hour EC50: 0.2 mg/L (highly toxic)

Fish, 96 Hour LC50: 7 - 9 mg/L (highly toxic)

•**For Inorganic salts:**

Daphnia Magna, 48 Hour EC50: >100 mg/L (virtually non-toxic)

Fish, 96 Hour LC50: 120 - 220 mg/L (virtually non-toxic)

SECTION XIV: DISPOSAL CONSIDERATIONS

Procedure: Dispose of in accordance with local, state, and federal regulations. (*See 40 CFR268*)

SECTION XV: TRANSPORT INFORMATION

US DOT Hazard Class: Nonregulated

SECTION XVI: REGULATORY INFORMATION

Workplace Classification: Under the OSHA Hazard Communication Standard (29CFR1910.1200), this product is considered to be "hazardous." Under the Canadian Workplace Hazardous Materials Information System (WHMIS), this product is considered a "controlled product."

SARA TITLE 3: Section 311/312 Categorizations (40CFR 370): This product is categorized as an immediate health hazard.

SARA TITLE 3: Section 313 Information (40CFR 372): This product does not contain any chemical at or above the minimum concentrations listed in Section 313.

CERCLA Information (40CFR 302.4): Under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), release of this material to air, land or water is not reportable to the National Response Center. Under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304, release of this material to air, land or water is not reportable to state and local emergency planning committees.

United States: All components of this product comply with the requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California (Proposition 65): This product contains trace levels of 1,4- Dioxane (123-91-1), known to the State of California to cause cancer. This product also contains trace levels of Ethylene oxide (75-21-8), known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION XIV: OTHER INFORMATION

Ratings

Health Hazard Rating: 3
Flammability Rating: 0
Reactivity Rating: 0

Scale

4=Extreme
3=High
2=Moderate
1=Slight
0=Minimal/Insignificant

Prepared by Acrylabs, Inc.- Technical Department 5/11/05

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