MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

Product Name: Acrylabs 2101 Series Coatings
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

Ingredient	CAS Regulation #	Weight (%)	Vapor Pressure (mm HG @ Temp.)	Occupational Exposure Limits
2-N-Octyl-4-isothiazolin-3-one	26530-20-1	<1.00	.22 mm Hg @ 68° F	.2 mg/m³ TWA
Acrylic Polymers	N/A	15.00 - 25.00	N/A	N/A
Aqua Amonia 19%	1336-21-6	<1.00	755.00 mm Hg @ 80° F	ACGIH TWA 25 ppm
Calcium Carbonate	1317-65-3	30.00 - 40.00	N/A	10 mg/m³ (dust)
Ester-Alcohol	25265-77-4	<2.00	<.01 mm Hg @ 20° C	None Established
Hydroxyethylcellulose	9004-62-0	<2.00	N/A	None Established
Petroleum-based Defoamer	Proprietary	<1.00	N/A	5 mg/m³ TWA
Propylene Glycol	57-55-6	<2.00	.22 mm Hg @ 68° F	None Established
Titanium Dioxide	13463-67-7	5.00 - 10.00	N/A	10 mg/m³ (dust)
Water	7732-18-5	30.00 - 35.00	760.00 mm Hg @ 68° F	N/A

SECTION IV: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colored semi-viscous liquid
State: Liquid
Odor Characteristics: Mild ammonia odor
Vapor Density: Heavier than air (air = 1)
Vapor Pressure: No data
Weight Per Gallon: 11.8 - 12.5
Boiling Point: 250° F
Solubility in Water: Soluble
VOC: <100 g/L
Evaporation Rate: Slower than ether

SECTION V: FIRE AND EXPLOSION DATA

Flash Point: >100° C (212° F); After evaporation of water, residue may burn.
Means of Extinguishing: Foam, CO_2, 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.

SECTION VI: REACTIVITY DATA

Instability: Material used in the creation of this product is considered to be stable. Avoid polymer decomposition, which takes place at or above temperatures of 177° C (350° F). Time and Temperature determine thermal decomposition.
Hazardous Decomposition Products: Acrylic monomers may be produced as a result of thermal decomposition; ex. oxides of carbon.
Hazardous Polymerization: Does not apply. Product will not undergo hazardous polymerization.
Incompatibility: No incompatibilities known.

SECTION VII: HEALTH HAZARD DATA

Acute Eye: Eye contact may cause a slight irritation.
Acute Skin: Absorption due to skin contact is not likely. Moderate skin irritation or reddening may occur.
Acute Inhalation: Although not likely, inhalation of vapor or mist may cause irritation of the nose, throat, and lungs.
Acute Ingestion: Material is harmful is swallowed. Gastrointestinal irritation, nausea, vomiting, or diarrhea may occur.
Chronic Effects: This product does not contain any ingredients deemed by IARC, NTP, ACGIH, or OSHA to contain probable or suspectable carcinogens.

SECTION VIII: FIRST AID MEASURES

Eye Exposure: Flush with a steady, gentle stream of water for a minimum of 15 minutes. If redness, itching or a burning sensation develop, seek medical attention.
Skin Exposure: Wash affected areas thoroughly with soap and water. If redness, itching or burning occur, seek medical attention.
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.
** No health problems have been reported when handled according to recommendations. Physicians should treat symptomatically.*

SECTION IX: ACCIDENTAL RELEASE MEASURES

Procedures: This material is not regulated or harmful. Use of an absorbent to contain or absorb the spill is recommended. Dispose of absorbent in an approved landfill or similar facility. Floor may be slippery; take care to avoid falling. Keep spills
Personal Protection: Compatible, chemically resistant gloves and protective clothing, including splash-proof goggles and rubber overshoes may be warn.

SECTION X: HANDLING AND STORAGE

Storage Conditions: Minimum Storage Temperature: 0° C (32° F), Maximum Storage Temperature: 80° C (180° F). Store in tightly-closed containers in a well-ventilated area.
Handling Procedures: Use in well-ventilated areas. Avoid breathing vapors and mists. Do not allow product to freeze. 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 XI: EXPOSURE CONTROLS-PERSONAL PROTECTION

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. An approved, mechanical filter respirator may be used during application to remove solid, airborne particles from overspray.

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. Gloves should be rinsed and removed immediately after use. 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.

Work-Hygiene Practices: Good hygiene and industrial practice should be used with this material. After handling, remove contaminated clothing and launder or dry clean before reuse. Wash thoroughly with soap and water.

SECTION XII: DISPOSAL CONSIDERATIONS

Procedure: Dispose of in accordance with local, state, and federal regulations.

SECTION XIII: TRANSPORT INFORMATION

US DOT Class: Paint, not regulated by the US Department of Transportation.

SECTION XIV: OTHER INFORMATION

Ratings		**Scale**
Health Hazard Rating:	1	4=Extreme
Flammability Rating:	1	3=High
Reactivity Rating:	0	2=Moderate
		1=Slight
		0=Minimal/Insignificant

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