

# Material Safety Data Sheet

Date: January, 2005



## ArcusStone Products LLC

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## HMIS

Health	1
Flammability	0
Reactivity	0
Personal Protection	A

### SECTION 1. IDENTIFICATION

**Product Name:**

ArcusAdMix™

**Manufacturer:** ArcusStone Products LLC 180 Harbor Drive, Suite 200, Sausalito, CA 94965, (415) 339.4060

### SECTION 2. TRANSPORTATION INFORMATION

**DOT Classification:** Non-hazardous. Not regulated. Keep from freezing. Shipping name - Acrylic resin emulsion in water.

**ICAO / IATA Classification:** Non-hazardous. Not IATA regulated. Keep from freezing.

### SECTION 3. HAZARDOUS COMPONENTS AND EXPOSURE LIMITS

Chemical Name	%	CAS #	OSHA TWA ppm	OSHA STEL ppm	ACGIH TWA ppm	ACGIH STEL ppm
Ammonia	<0.4	7664-41-7			10	

OSHA Hazard Communication Standard 29 CFR 1910.1200 allows the MSDS information as to other non-hazardous components to be unlisted if they are considered proprietary, therefore, identities of proprietary ingredients in this product are not listed here.

### SECTION 4. PHYSICAL DATA

**Physical Form:** Liquid

**Color:** Milky White

**Odor:** Slight Ammonia

**Specific Gravity** (H<sub>2</sub>O=1): 1.0 to 1.1

**Vapor Density** (mm Hg@20C): 17

**Molecular Weight:** Mixture

**Solubility in water:** Dilutable

**pH:** 9 to 10

**Melting Point:** 32F

**Boiling Point:** 212F

### SECTION 5. FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** non-flammable

**Hazardous Combustion Products:** None.

**Unusual Fire and Explosion Hazards:**

Possibility of pressure buildup in closed containers.

Use a water stream to cool before opening.

**Fire Hazard Classification (OSHA/NFPA):** Non-combustible.

**Extinguishing Media:** Non-flammable in liquid state.

Use water, foam, dry chemical or carbon dioxide on dried film.

**Special Fire Fighting Procedures:** None.

**Auto ignition Temperature:** No data.

**Upper Explosion Limit (UEL):** No data.

**Lower Explosion Limit (LEL):** No data.

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## SECTION 6. REACTIVITY DATA

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**Stability:** Stable at ambient temperatures. Avoid temperatures above 350F to avoid polymer decomposition.

**Incompatibility :** None.

**Conditions to avoid:** Freezing, thawing, and boiling.

**Hazardous Decomposition Products:** Acrylic monomer may be yielded under incomplete combustion.

**Hazardous Polymerization:** Will not occur.

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## SECTION 7. HEALTH HAZARD ASSESSMENT

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**Carcinogenic Potential:** No carcinogens in concentrations of 0.1% or greater under OSHA, NTP, IARC, ACGIH, and Calif. Prop 65.

**Routes of Exposure:** Skin, mucous membrane, or eye contact; inhalation or ingestion.

**Medical Conditions Aggravated by Exposure:** None known.

**Signs and symptoms of exposure:** Inhalation of vapors may cause slight irritation in the respiratory tract, and repeated or prolonged exposure to low concentrations of vapor may cause sore throat, which is transient.

**Other recommendations for proper use of the material:** Open containers in a well ventilated space. Spraying in confined, unventilated areas or heating the product may produce vapor concentrations high enough to irritate the respiratory tract, with symptoms of headache, dizziness, and nausea.

**Emergency First Aid Procedures:**

**Skin:** Wash contaminated areas thoroughly with soap and water. If irritation persists or develops contact a physician.

**Eyes:** Rinse / flood eyes with clean water immediately and repeatedly for at least 15 minutes.

**Ingestion:** Consult a physician immediately. Induce vomiting only as directed by medical personnel.

**For Gross Inhalation:** Immediately move subject to fresh air, give artificial respiration as needed. Get prompt medical attention.

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## SECTION 8. PRECAUTIONS FOR SAFE HANDLING AND USE

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**Steps to be taken in case material is released or spilled:** Ventilate area. Construct a containment dike to limit the spread of the material. Mix with a dry soil or other nonreactive absorbent and place in container then dispose of in a waste can. Flush area with water spray, and clean up any residue with brush, mop and water bucket.

**Waste Disposal Method:** Not considered a hazardous waste under EPA Hazardous Waste Regulation 40 CFR 261. For < 100 gallons, it can be treated as a common waste for disposal in accordance with local, state and federal regulations. For large quantities, disposal through a licensed waste disposal facility is suggested.

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## SECTION 9. SPECIAL PROTECTION INFORMATION

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**Ventilation:** Use only with adequate ventilation.

**Respiratory Protection :** Not normally required if good ventilation is maintained. Use of an appropriate OSHA, MSHA or NIOSH approved organic vapor respirator is recommended under emergency conditions.

**Protective Clothing:** No specific recommendation.

**Eye Protection:** Chemical tight splash goggles to avoid eye contact. (ANSI Z-87, 1 or approved equivalent) is recommended.

**Other Protective Equipment:** Provide means of rinsing eyes (eyewash station) in case of emergency.

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## SECTION 10. SPECIAL PRECAUTIONS

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Store product inside at temperatures between 40 and 100F.

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## SECTION 11. REGULATORY INFORMATION

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**OSHA HazCom Std (29CFR1910.1200) hazard class(es):** None.

**EPA SARA Title III Sec. 312 (40CFR370) hazard class:** None.

**EPA SARA Title III Sec. 313 (40CFR372) toxic chemicals above the minimal levels:** None.

**TSCA:** All components are listed in the EPA Toxic Substance Control Act Chemical Substance Inventory.

**Calif. Prop 65:** Components known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986"; None.

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## SECTION 12. OTHER INFORMATION

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### Abbreviations:

ACGIH

American Conference of Governmental Industrial Hygienists

ANSI

American National Standards Institute

Cal/OSHA

California Division of Occupational Safety and Health Administration

CAS

Chemical Abstract Service

DOT

Department of Transportation

EPA

Environmental Protection Agency

IARC

International Agency for Research on Cancer

mg

Milligram

TSCA

Toxic Substance Control Act

MSDS

Material Safety Data Sheet

NIOSH

National Institute of Occupational Safety and Health

NTP

National Toxicology Program

OSHA

Occupational Safety and Health Administration

PEL

Permissible Exposure Limit

ppm

Parts Per Million

TLV

Threshold Limit Values

TWA

Time Weighted Average