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**MATERIAL SAFETY DATA SHEET**


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Monolithic  
177 Dome Park Place  
Italy, TX 76651

**EMERGENCY PHONE #s:**  
972-483-7423

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**SECTION 1 – PRODUCT INFORMATION**


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**MONOFORM**

**Common Chemical Name:** ACRYLATE COPOLYMER DISPERSION  
**Synonyms:** NONE  
**Molecular Formula:** MIXTURE  
**Chemical Family:** POLYMER DISPERSION  
**Molecular Weight:** NOT APPLICABLE

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**SECTION 2 – INGREDIENTS**


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<b>Chemical Name:</b>	<b>CAS</b>	<b>Amount</b>
POLYMER PEL/TLV NOT ESTABLISHED	28063-87-8	64.0 – 66.0%
WATER PEL/TLV NOT ESTABLISHED	7732-18-5	34.0 – 36.0%
ACRYLONITRILE ACGIH TLV	107-13-1	< 10.0 PPM
OSHA PEL	SKIN TWA 2 PPM CEIL 10 PPM TWA 2 PPM	
BUTYL ACRYLATE ACGIH TLV	141-32-2	< 200.0 PPM
VINYL ACETATE ACGIH TLV	108-05-4	< 0.4 %
FORMALDEHYDE ACGIH TLV	50-00-0	< 100.0 PPM
OSHA PEL	CEIL 0.3 PPM STEL 2 PPM TWA 0.75 PPM	

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**SECTION 3 – HAZARDS IDENTIFICATION**


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**Emergency Overview**

**Color:** Milky White  
**Form/Appearance:** Aqueous Dispersion  
**Odor:** Ester

**WARNING STATEMENT:****CAUTION:**

INHALATION OF VINYL ACETATE AT HIGH LEVELS MAY BE IRRITATING TO THE EYES, MUCOUS MEMBRANES AND RESPIRATORY TRACT AND PRODUCE CNS EFFECTS. REPEATED INHALATION EXPOSURES HAVE PRODUCED NASAL AND PULMONARY IRRITATION AND LESIONS AT LEVELS UP TO 600 PPM IN EXPERIMENTAL ANIMALS. IARC CLASSIFIED VINYL ACETATE UNDER GROUP 2B AS POSSIBLY CARCINOGENIC TO HUMANS BASED ON ITS RAPID HYDROLYSIS TO ACETALDEHYDE, AND BASED ON THE EVIDENCE THAT BOTH VINYL ACETATE AND ACETALDEHYDE INDUCE NASAL CANCERS AFTER INHALATION EXPOSURES AND ARE GENOTOXIC. CONTACT WITH THE EYES AND SKIN MAY RESULT IN IRRITATION. INHALATION MAY RESULT IN RESPIRATORY IRRITATION. INGESTION MAY RESULT IN GASTRIC DISTURBANCES.

## **POTENTIAL HEALTH EFFECTS**

### **Primary Routes of Exposure:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### **Acute Overexposure Effects:**

Contact with the eyes and skin may result in irritation. Inhalation of vinyl acetate at high concentrations may be irritating to the eyes, mucous membranes and respiratory tract and may result in CNS effects.

### **Chronic Overexposure Effects:**

Repeated inhalation exposures of vinyl acetate have produced nasal and pulmonary irritation and lesions at concentrations up to 600 ppm in experimental animals. IARC classified vinyl acetate under Group 2B as possibly carcinogenic to humans based on its rapid hydrolysis to acetaldehyde, and based on the evidence that both acetate and acetaldehyde induced nasal cancers after inhalation exposures and are genotoxic.

### **First Aid Procedures – Aggravated Medical Conditions**

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects observed in animals.

## **SECTION 4 – FIRST AID MEASURES**

### **First Aid Procedures – Skin:**

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

### **First Aid Procedures – Eyes:**

Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

### **First Aid Procedures – Ingestion:**

If swallowed, dilute with water. DO NOT INDUCE VOMITING. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

### **First Aid Procedures – Inhalation:**

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

### **First Aid Procedures – Notes to Physicians:**

None known.

### **First Aid Procedures – Aggravated Medical Conditions:**

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects observed in animals.

### **First Aid Procedures – Special Precautions:**

None.

## **SECTION 5 – FIRE FIGHTING MEASURES**

	<b>Typical Low/High</b>	<b>Deg.</b>	<b>Method</b>
Flash Point:	> 300	F	NOT SPECIFIED
Auto ignition:	NOT AVAILABLE		

### **Extinguishing Media:**

Use water fog, foam or dry chemical extinguishing media.

### **Fire Fighting Procedures:**

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Water may be ineffective but should be used to keep exposed containers cool.

### **Unusual Hazards:**

There are no known unusual fire or explosion hazards.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

### **General:**

Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility. This material is regulated by CERCLA (“Superfund”).

## **SECTION 7 – STORAGE AND HANDLING**

### **General:**

Protect from freezing.

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**SECTION 8 – PERSONAL PROTECTION**


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**Clothing:**

Gloves, coveralls, apron, and boots as necessary to prevent contact.

**Eyes:**

Chemical goggles; also wear a face shield if splashing hazard exists.

**Respiration:**

If vapors or mists are generated, wear a NIOSH/MSHA approved organic vapor/mist respirator or an air-supplied respirator as appropriate.

**Ventilation:**

Use local exhaust to control to recommended P.E.L.

**Explosion Proofing:**

None required.

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**SECTION 9 – PHYSICAL PROPERTIES**


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**Color:** Milky White

**Form/Appearance:** Aqueous Dispersion

**Odor:** Ester

**Odor Intensity:** Slight

	<u>Typical</u>	<u>Low/High</u>	<u>U.O.M.</u>
<b>Specific Gravity:</b>	~ 1.05		@ 68 DEG. F
<b>Viscosity:</b>	400		CENIPOISE @ 73 DEG. F
<b>pH:</b>		4 – 5	SU

	<u>Typical</u>	<u>Low/High</u>	<u>Deg.</u>	<u>@</u>	<u>Pressure</u>
<b>Boiling Point:</b>	~212		F		760 MM HG
<b>Freezing Point:</b>	~ 32		F		760 MM HG
<b>Decomposition Temperature:</b>	NOT AVAILABLE				
<b>Solubility in Water Description:</b>	Miscible				
<b>Vapor Pressure:</b>	17	MM HG	@		68 DEG. F

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**SECTION 10 – STABILITY AND REACTIVITY**


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**Stability Data:**

Stable

**Incompatibility:**

Metal salts will coagulate product.

**Conditions/Hazards to Avoid:**

Excessive heat.

**Hazardous Decomposition/Polymerization:**

Hazardous polymerization will not occur.

Hazardous Decomposition Products: CO, CO<sub>2</sub>, Nox, hydrocarbons.

**Corrosive Properties:**

Not corrosive.

**Oxidizer Properties:**

Not an oxidizer.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**


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No applicable data for this section.

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**SECTION 12 – ECOLOGICAL INFORMATION**


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No applicable data for this section.

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**SECTION 13 – DISPOSAL CONSIDERATIONS**


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**Waste Disposal:**

Incinerate in a licensed facility. Do not discharge into waterways or sewer systems.

**Container Disposal:**

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

#### SECTION 14 – TRANSPORTATION INFORMATION

**DOT Proper Shipping Name:**

N/A

**DOT Technical Name:**

N/A

**DOT Primary Hazard Class:**

N/A

**DOT Secondary Hazard Class:**

N/A

**DOT Label Required:**

N/A

**DOT Placard Required:**

N/A

**DOT Poison Constituent:**

N/A

**Bill of Lading Description:**

NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

#### SECTION 15 – REGULATORY INFORMATION

**TSCA Inventory Status**

Listed on Inventory: YES

**SARA – 313 Listed Chemicals:**

CAS: 108-05-4

AMOUNT: 0.4 %

NAME: VINYL ACETATE

**RCRA Haz. Waste No.:** N/A

CERCLA: REPORTABLE QUANTITY: VINYL ACETATE\* - 5000 LBS

\*RESIDUAL MONOMER IN PRODUCT

**State Regulatory Information: (By Component)**

**NJ/PA/MA RTK**

CAS: 108-05-4

YES

NAME: VINYL ACETATE

CAS: 7732-18-5

YES

NAME: WATER

CAS: 28063-87-8

YES

NAME: POLYMER

This product contains one or more chemicals known to the State of California to cause cancer.

#### SECTION 16 – OTHER INFORMATION

**Hazard Ratings:**

UCSC currently uses the National Paint & Coating Association (NPCA) rating system. The use of an asterisk (\*) in the HMIS rating indicates the potential for chronic health effects.

	<b>Health:</b>	<b>Fire:</b>	<b>Reactivity:</b>	<b>Special:</b>
HMIS	2*	1	0	N/A

This product is hazardous or contains components which are hazardous according to the OSHA Hazard Communication Standard.

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