

# MATERIAL SAFETY DATA SHEET

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## I. PRODUCT AND COMPANY IDENTIFICATION

Supplier: Polycon Manufacturing, LLC  
 For Non Emergency Information Contact: 601-898-1024  
 Emergency Telephone Number: 601-898-1024

**“E-KRETE™”**

## 2. COMPOSITION INFORMATION OF INGREDIENTS

COMPONENT	CAS-NO.	CONCENTRATION
P(BAImMA)	25852-37-3	46.0-48.0%
Residual Monomers	Not required	
Aqua Ammonia	1336-21-6	{=0.3%
Water	7732-18-5 7732-18-5	52.0-54.0%
Cement Powder		30%
Quartz Aggregate		70%

Polymeric description(s) presented in this section are the U.S. Toxic Substances Control Act (TSCA) definitions.

## 3. HAZARDS IDENTIFICATION

Emergency Overview  
 Appearance  
 Form Liquid  
 Color Gray  
 Odor Ammonia Odor

### HAZARD SUMMARY

**CAUTION!**  
 INHALATION OF VAPOR OR MIST CAN CAUSE HEADACHE, NAUSEA AND IRRITATION OF THE NOSE, THROAT AND LUNGS.  
 MAY CAUSE EYE/SKIN IRRITATION.

#### Potential Health Effects

Primary Routes of Entry: Inhalation  
 Eye contact  
 Skin contact

Eyes: Direct contact with material can cause the following: slight irritation  
 Skin: Prolonged or repeated skin contact can cause the following: slight irritation  
 Inhalation: Inhalation of vapor or mist can cause the following: ' irritation of nose, throat, and lungs, headache, nausea.

## 4. FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin contact: Wash with water and soap as a precaution. If skin irritation persists, call a physician.

Eye contact: Rinse with plenty of water. If eye irritation persists, consult a specialist.

Ingestion: Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

## 5. FIRE-FIGHTING MEASURES

Flash point	Noncombustible
Lower explosion limit	Not Applicable
Upper explosion limit	Not Applicable
Thermal decomposition	Thermal decomposition may yield acrylic monomers.

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Specific hazards during fire fighting: Material can splatter above 100C/212F.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Use personal protective equipment.  
 Keep people away from and upwind of spill leak. Material can create slippery conditions.

### ENVIRONMENTAL PRECAUTIONS

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### METHODS FOR CLEANING UP

Contain spills immediately with inert materials (e.g., sand, earth).  
 Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## 7. HANDLING AND STORAGE

### HANDLING

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.  
 Further information on storage conditions: Keep from freezing - product stability may be affected. STIR WELL BEFORE USE.

### STORAGE

Storage temperature: 1 - 49 °C (34 - 120 OF)  
 Other data: Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8, for types of ventilation required.

## 8. EXPOSURE CONTROLS PERSONAL PROTECTION

Exposure limit(s)  
 Exposure limits are listed below, if they exist.

COMPONENT	REGULATION	TYPE OF LISTING	VALUE
Aqua ammonia		TWA	25 ppm
		STEL	35 ppm
	ACGIH	TWA	17 mg/m <sup>3</sup> 25 ppm
	ACGIH	STEL	24 mg/m <sup>3</sup> 35 ppm
	OSHA_TRANS	PEL	35 mg/m <sup>3</sup> 50 ppm

**Eye protection:** safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.



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

**Respiratory protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. For airborne concentrations up to 10 times the exposure limit, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) ammonia/methylamine cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

**PROTECTIVE MEASURES:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

**ENGINEERING MEASURES:** Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) 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.

## 9. PHYSICAL / CHEMICAL PROPERTIES

Appearance	
Form	liquid
Color	gray
Odor	Ammonia odor
Ph	9.3
Boiling point/range	100 C (212.00 F) Water
Flash point	Noncombustible
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable Dilutable
Water solubility	5,000 - 55,000 mPa.s
Viscosity, dynamic	{1.00 Water
Evaporation rate	52 - 54%
Percent volatility	

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY AND REACTIVITY

Hazardous reactions	None Known Stable
Materials to avoid	There are no known materials which are incompatible with this product.
Polymerization	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

Acute oral toxicity	LD50 rat> 5,000 mg/kg
Acute dermal toxicity	LD50 rabbit> 5,000 mg/kg
Skin irritation	rabbit May cause transient irritation.
Eye irritation	rabbit No eye irritation

## 12. ECOLOGICAL INFORMATION

There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### DISPOSAL

Waste Classification: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

DOT	Not regulated for transport
IMO/IMDG	Not regulated (Not dangerous for transport)

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

## 15. REGULATORY INFORMATION

### WORKPLACE CLASSIFICATION

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

SARA TITLE III: Section 311/312 Categorizations (40CFR370): This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

SARA TITLE III: Section 313 Information (40CFR372)

This product does not contain a chemical which is listed in Section 313 at or above de minimal concentrations.

CERCLA Information (40CFR302.4)

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.

US. Toxic Substances Control Act (TSCA) All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Pennsylvania

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act

## 16. OTHER INFORMATION

Hird Rating	Health	Fire	Reactivity
HMS	1	0	0

ACGIH	American Conference of Governmental industrial Hygienists
BAC	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL)
TLV	Threshold Limit Value
TWA	Average (TWA)
I	Bar denotes a revision from prior MSDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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