



Engineered Polymers International, LLC

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MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EP-1K Acrylic Sealer

CHEMICAL FAMILY: Aqueous acrylate/styrene copolymer preparation

MANUFACTURER: Engineered Polymers International, LLC

EMERGENCY NUMBER: Chemtrec 1-800-424-9300

For emergencies involving a spill, leak, fire, exposure or accident, contact Chemtrec at 800-424-9300 within the United States or 703-527-3887 for international collect calls.

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>Exposure Limits</u>
Acrylate styrene copolymer	Confidential	40 - 45 %	N/ A See Effects of Overexposure
Surfactant	Confidential	< 1%	N/ A See Effects of Overexposure

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY: Skin and eye contact with liquids, vapor, and inhalation.

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

Prolonged or repeated contact may cause skin and eye irritation.

This product contains:

Styrene/acrylate copolymer, which may cause skin and eye irritation; Surfactant, which may cause skin and eye irritation.

CARCINOGENICITY:

NTP: No IARC:

No OSHA: No

4. FIRST AID MEASURES

SKIN: Remove contaminated clothing and shoes. Wash with soap or mild detergent and large amounts of water. Get medical attention if irritation occurs

EYES: Hold eyes open and flush for at least 15 minutes with large amounts of water. Seek medical attention if irritation occurs.

INGESTION: Do not induce vomiting. Give two glasses of water to dilute stomach contents. Never give anything by mouth to an unconscious person. Consult physician immediately.

INHALATION: Remove to fresh air immediately. If breathing has stopped give artificial respiration. If breathing is difficult administer oxygen. Consult physician if irritation of respiratory passages occurs.

5. FLAME FIGHTING MEASURES

FLASH POINT: > 201 ° F

EXTINGUISHING MEDIA: Foam, carbon dioxide, water spray, dry powder.

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES: Wearing appropriate personal protective equipment, contain spills onto inert absorbent and place in suitable containers.

7. HANDLING AND STORAGE

STORAGE: Store closed containers at temperatures between 60 and 80 of (15 and 25°C). Keep away from heat and direct sunlight. Keep from freezing (product will coagulate).

HANDLING: Avoid prolonged or repeated contact with skin. Wash hands and other exposed body areas before eating. Eyewash fountains and safety showers must be easily accessible.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust ventilation or respiratory protection to maintain employee exposure below TL V.

RESPIRATORY PROTECTION: If airborne concentration poses a health hazard, becomes irritating, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134.

SKIN PROTECTION: Clothing suitable to prevent skin contact, and rubber gloves.

EYE PROTECTION: Safety goggles with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Liquid
COLOR	White
ODOR	Slightly aromatic
BOILING POINT:	212 °F (100°C - as water)
VAPOR PRESSURE:	approx. 23 mbar @ 20°C
SPECIFIC GRAVITY:	1.04 g/cm ³
VISCOSITY:	200 - 2000 mPa.s (Brookfield RVT, spindle 2,20 rpm @ 20°C)
SOLUBILITY IN WATER	Practically in every proportion miscible
pH:	7.5 to 8.5
SOLVENT CONTENTS:	None
SOLID CONTENTS:	44% ± 1%

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Heating to decomposition may generate carbon monoxide, carbon dioxide, oxides of nitrogen, and hydrocarbon byproducts.

POLYMERIZATION: Does not occur.

INCOMPATIBILITIES: High temperatures or freezing.
At 212 of (100°C) phase separation, possible coagulation.

11. TOXICOLOGICAL INFORMATION

LD₅₀, rat: > 2000 mg / kg (acrylate/styrene copolymer)

See Section 3 - Human Effects and Symptoms of Overexposure.

12. ECOLOGICAL INFORMATION

Avoid contamination of ground water or waterways.

FISH TOXICITY: LC₅₀: > 500 mg / l

13. DISPOSAL CONSIDERATIONS

Incinerate or dispose of in accordance with Federal, State or local regulations.

14. TRANSPORT INFORMATION (Not meant to be all inclusive)

DOT SHIPPING NAME: Not regulated

15. REGULATORY INFORMATION (Not meant to be all inclusive)

The components of this product are on the TSCA Inventory.

16. OTHER INFORMATION

This product contains the toxic chemicals listed below, which are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (EPCRA/"SARA") and the requirements of 40 CFR Part 372:

HAZARDOUS MATERIALS INFORMATION LABEL (HMIS)

HAZARD CODE:

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

RATING:

FLAMMABILITY: 0
HEALTH: 2 REACTIVITY: 0
PERSONAL PROTECTION: S
S = Splash Goggles + Synthetic Apron + Gloves

Note:

This HMIS rating is based on the information available in the product MSDS. While HMIS ratings follow established industry practices and recommendations, variations in individual assignments are possible. HMIS ratings should be used only by persons who have been trained in product safety matters and are familiar with the rating system. Industrial users of HMIS ratings must review both the product MSDS and the respective rating to ensure its applicability to the user's workplace conditions.

HAZCOM LABEL: CAUTION! MAY CAUSE SKIN AND EYE IRRITATION

To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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