


Engineered Polymers, LLC.
2842 Progress Road Madison, WI 53716

Fax: (608) 661-2817

www.engineeredpolymers.net

An Amber Chemical Group Company

REACTAMINE[®] 202 Primer 

SECTION 1: PRODUCT and COMPANY IDENTIFICATION

Engineered Polymers, Inc.
4114 Robertson Road
Madison, WI 53714
Technical: (404) 216-4711

Issue Date: 02/01/02
MSDS No.: No Data Phone (24 hr)
Rev: 05 Medical Emergency: (404) 216-4711

PC: HA202

Material Name: 202 Primer

Read the entire MSDS for a complete hazard assessment.

SECTION 2: COMPOSITION/INFORMATION on INGREDIENTS*

| CAS Number | % Conc + | Ingredient Name |
|-------------|----------|-----------------------|
| Proprietary | 60.0 | Vinyl acrylic polymer |
| 007732-18-5 | 38.0 | Water |
| 000075-01-4 | < 0.0010 | Vinyl Chloride |

*Ingredients not precisely identified are either proprietary or nonhazardous.
Values are not product specifications. + Percent concentration by weight.

SECTION 3: HAZARDS IDENTIFICATION*

*As defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. See Section 8 for exposure guidelines & Section 11 for toxicology and ingredient specific information.

***** **EMERGENCY OVERVIEW** *****

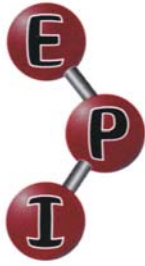
MILKY WHITE LIQUID.
TYPICAL EMULSION ODOR.
RESPIRATORY IRRITANT.
GASTROINTESTINAL IRRITATION.
EYE IRRITANT.
MODERATE SKIN IRRITANT.

POTENTIAL HEALTH HAZARDS

Eye: This product is probably eye irritant based on animal studies.

Skin: This product is moderate skin irritant based on animal studies. This product did not induce skin sensitization in an animal study. This product is unlikely to induce skin sensitization in humans.

Inhalation: Vapors and/or aerosols of this material will probably irritate mucous membranes, eyes, nose, and respiratory



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Ingestion: In humans, irritation of the mouth, pharynx, esophagus, and stomach can develop following ingestion of this material. The acute oral toxicity of this material is greater than 5000 mg/kg. Relative to other materials, this material is classified as practically nontoxic by ingestion.

See Section 11

SECTION 4: FIRST AID MEASURES

General First Aid Procedures

Eyes: Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin: Wash off of skin with plenty of soap and water. If redness, itching or burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.
Ingestion: DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: Does not flash
Upper Flammability Limit (UFL): No Data
Lower Flammability Limit (LFL): No Data
Autoignition Temperature: No Data

Products of combustion: Combustion products: carbon oxides, nitrogen oxides, ammonia, chlorine, hydrogen chloride and possible trace amounts of carbonyl halide.

Extinguishing media: Water fog, foam, carbon dioxide, dry chemical, halogenated agents.

Fire fighting instructions: Wear self-contained breathing apparatus with full facepiece and protective clothing.

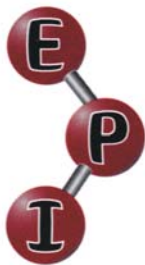
Unusual fire and explosion hazards:

Material will not support combustion unless the water has evaporated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill procedures: Wear skin, eye, and respiratory protection during cleanup. Contain spill. Soak up material with absorbent and shovel into a chemical waste container.

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SECTION 7: HANDLING and STORAGE

Handling: This material contains trace amounts (less than or equal to 0.2%) of residual monomers. This product, which is an aqueous dispersion of a polymer, may be difficult to remove without injuring the skin if allowed to dry. Avoid breathing vapors or aerosols. Prevent skin and eye contact. Normal chemical handling and storage.

Storage: Keep from freezing. During extended storage, the free monomers will outgas into the container headspace to a level of approximately 400 ppm for vinyl chloride and 750 ppm for vinylidene chloride. Therefore, the containers should only be opened in a well-ventilated area. If this is not possible, use of an approved supplied air respirator is recommended (see Section 8). Store in a tightly sealed container away from incompatible materials. Incompatible with alkaline materials. Attacks mild steel.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines: No ACGIH TLV or OSHA PEL assigned to this product. Minimize exposure in accordance with good hygiene practice.

Residual vinyl chloride and vinylidene chloride monomer may be present. The ACGIH TLV for vinylidene chloride is 5 ppm, 8-hour TWA, and the STEL is 20 ppm, 8-hour TWA. The ACGIH TLV for vinyl chloride is 5 ppm. The OSHA PEL for vinyl chloride is 1 ppm, 8-hour TWA, with an action level of 0.5 ppm. Vinyl chloride is an ACGIH Confirmed Human Carcinogen and an OSHA Cancer-Suspect Agent, with a skin notation.

Engineering controls: Use ventilation adequate to maintain safe levels. Open containers in well ventilated areas to avoid inhalation of accumulated vinyl chloride or acrylic type monomers.

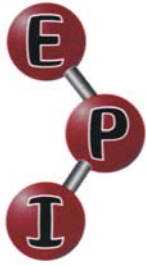
PROTECTIVE EQUIPMENT

Respiratory protection: If needed, a NIOSH certified supplied air respirator is recommended. OSHA permits the use of organic vapor respirators if the vinyl chloride exposure is known to be less than 10 ppm (29 CFR 1910.1017 (g)).

Protective clothing: Gloves, arm covers and apron determined to be impervious under the conditions of use. NeoResins employees use neoprene or nitrile gloves during manufacture and packaging of this product.

Eye protection: Chemical tight goggles; full faceshield in addition if splashing is possible.

Other: Eyewash station and safety shower in work area.




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SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Milky white
Odor: typical emulsion
Odor Threshold: No Data
Boiling Point: 212°F, 100°C
Decomposition Temperature: No Data
Melting Point: No Data
Vapor Pressure (mm Hg at 20°C): ~ 17.5000
Vapor Density (air = 1): < 1.0
Solubility in Water: Dispersible
Solubility in Other: No Data
Octanol/Water Partition Coefficient: No Data
pH: 1-2
Specific Gravity: 1.58
Bulk Density: No Data
% Volatile by Volume: 40
VOC (%): No Data
Viscosity: No Data

SECTION 10: STABILITY and REACTIVITY

Chemical Stability Stable under normal conditions.

Conditions to avoid: None known.

Incompatibility: Alkaline materials. Attacks mild steel. Strong oxidizers.

Hazardous polymerization: Not known to occur.

Hazardous decomposition products: Carbon oxides, nitrogen oxides, ammonia, chlorine, hydrogen chloride and possible trace amounts of carbonyl halide.

SECTION 11: TOXICOLOGICAL INFORMATION

Contact the addressee in Section 1 for product toxicology information.

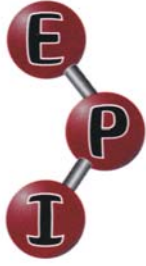
Regulated carcinogen(s): This product contains no components present at concentrations equal to or greater than 0.1% listed by IARC, OSHA, NTP or ACGIH as a carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No Data
Environmental fate: No Data
Other: No Data

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method: Observe all applicable Canadian regulations. Discarded material is a hazardous waste under RCRA. Dispose of in a facility permitted for hazardous waste.



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Container disposal: Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment

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of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

SECTION 14: TRANSPORT INFORMATION

Not regulated by the US DOT.

SECTION 15: REGULATORY INFORMATION

TSCA (Toxic Substances Control Act): All ingredients are on the TSCA Chemical Substances Inventory.

SARA Title III (Emergency Planning and Community Right-To-Know Act): 313 Reportable ingredients: This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

California Proposition 65: WARNING. This product contains a chemical known to State of California to cause cancer and birth defects or other reproductive harm.

Canadian Regulations: CEPA (Canadian Environmental Protection Act): All ingredients are on the DSL (Domestic Substances List).

WHMIS Classifications:

Product Use: Resins for coatings applications

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR>

Class D, Division 2B, Toxic.

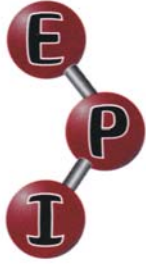
SECTION 16: OTHER INFORMATION

We assigned NEPA and HMIS ratings to this product based on the hazards of its ingredient (s). Because the customer is most aware of the application of the products, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.*

NFPA Rating:

| | |
|-------------|---------|
| Health: | 1 |
| Fire: | 1 |
| Reactivity: | 0 |
| Special: | No Data |

HMIS Rating:




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Fire: 1
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** Personal Protection: No Data