Material Safety Data Sheet

GEM TAC **MSDS No.1259**

Date of Preparation: **February 16,** 2011

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: GEM TAC (4994)
General Use: Adhesive
Manufacturer: Beacon Chemical Company., Inc. 125 South MacQuesten Parkway Mount Vernon, NY 10550
Phone: (914-699-3400) Fax: (914-699-2783) Hours 9 of 5 Operation Emergency Phone (914-699-3400) etc.

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	%wt *or* %vol
acrylic copolymer		>=54.0 - <=56.5
water		>=44.0

Section 3 - Hazards Identification

Emergency Overview

HMIS
H 0
F 0
R 0

Potential Health Effects

Inhalation: Vapors may cause respiratory irritation.
Eye: Can cause irritation, redness, tearing, blurred vision.
Skin: None expected.
Chronic Effects: There are no known chronic effects associated with this material.

Section 4 - First Aid Measures

Inhalation: Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.
Eye Contact: Immediately wash eyes with running water for 15 minutes. Get immediate medical attention.
Skin Contact: Wash affected areas with running water while removing contaminated clothing. Get immediate medical attention. Launder contaminated clothing before reuse.
Ingestion: Dilute by drinking water or milk. Induce vomiting by sticking finger down throat or by giving syrup of Ipecac.
After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5 - Fire-Fighting Measures

Autoignition Temperature: N/A
Flammability Classification: 0
Extinguishing Media: Use water fog, alcohol foam or dry chemical extinguishing media.
Unusual Fire or Explosion Hazards: None Known.
Fire-Fighting Instructions: If water is evaporated, dry polymer could burn. Water spray, ABC dry chemical and protein type air foams are effective. Carbon dioxide may be ineffective on larger fires due to a lack of cooling capacity which may result in reignition.
Fire Fighting Equipment: No special equipment needed.

Section 6 - Accidental Release Measures

Spill /Leak Procedures: Spills should be contained. Recover as much as possible for reuse. Absorb remainder with an inert material. Place into closed container and store in a safe location to await disposal. Wash the spill area with soap and water. Do not flush liquid latex into public sewer or water system.

Waste Disposal Method: Dispose of in a landfill in accordance with local, state, and federal regulations.

Section 7 - Handling and Storage

Handling Precautions: Wear appropriate protective equipment when handling material. Avoid skin and eye contact.

Storage Requirements: Store at temperatures between 50-100F ideally 70F

Regulatory Requirements: Section 8 - Exposure Controls / Personal Protection

Ventilation: Not generally needed.

Respiratory Protection: Not generally needed.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: White to cream colored liquid.

Boiling Point: 212 F (100C)

Freezing: 32F (0 C)

% Volatile: N/A

Section 10 - Stability and Reactivity

Stability: product is stable.

Conditions to Avoid: Freezing temperatures.

Section 11- Toxicological Information

Toxicity Data:*

Eye Effects: N/A

Skin Effects: N/A

Acute Inhalation Effects:

N/A

Acute Oral Effects:

N/A

Chronic Effects: There are no known chronic effects associated with this material.

Section 12 - Ecological Information

Ecotoxicity: N/A

Environmental Fate N/A

Environmental Transport: N/A

Environmental Degradation: N/A

Soil Absorption/Mobility: N/A

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements: Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Container Cleaning and Disposal: Dispose of in a licensed facility. Recommended crushing or other means to prevent unauthorized use.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name:N/A Hazard Class: N/A **Not IATA Regulated**

Shipping Symbols:N/A Not regulated

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA N/A

CERCLA Hazardous Substance (40 CFR 302.4) unlisted

CERCLA Reportable Quantity N/A

OSHA Regulations:

Air Contaminant : Not listed

OSHA Specifically Regulated Substance N/A

T.R.I. Reportable (No)

Section 16 - Other Information

Prepared By: Pete Ryan

Revision Notes:

Additional Hazard Rating Systems:

	Health:	Fire:	Reactivity:	Special:
HMIS	0	0	0	NA
HMIS	0	0	0	NA

Disclaimer: The information accumulated herein is based on data which Beacon Chemical Co., Inc. considers to be accurate; provided however, that the company makes no warranty as to the accuracy of the data. Anyone intending to use the information contained herein shall assume sole and complete responsibility for the results of said use including loss or damage resulting from the handling of the material.

LHAMA

Item: Adhesive 4994

Conforms to ASTM D-4236

MSR Report #:	BA-090618-007	**Product Description:**	Adhesive 4994 Gem Tac
Report Date:	Tuesday, July 7, 2009		

Evaluation of for Labeling of Hazardous Art Materials Act (LHAMA) Certification

As a board-certified toxicologist (Diplomate, American Board of Toxicology, Inc.), I have been requested to evaluate this product by MSR Quality Management Services, LLC for LHAMA certification according to the criteria defined in American Society for Testing and Materials (ASTM) Standard D-4236 and the U.S. Consumer Product Safety Commission's (CPSC) Regulations 16 CFR 1500.14 (described in the Federal Register Announcement 57:197 pp. 46626-46674, dated Friday, October 9, 1992).

This evaluation considered all the available data, including the relevant data from the US National Toxicology Program and the World Health Organization's International Agency for Research on Cancer and other sources of information in the US National Library of Medicine's toxicological databases. All this information was used to assess the need for chronic health hazard warnings including carcinogenesis, reproductive hazards, teratogenic hazards, neurotoxicity and other potential chronic adverse health effects. Relevant information on bioavailability and exposure were also considered. In the absence of specific information, reasonable judgments were made to assure a realistic assessment of the hazard was reflected on the ultimate art material package.

A quantitative list of the ingredients in and a Material Safety Data Sheet (MSDS) for this adhesive were submitted for review. It is assumed that these ingredients contain no contaminants at levels that would be toxic or corrosive to a consumer who may be exposed to them. This adhesive may be expected to make frequent contacts with the skin as multiple exposure events and/or small amounts of adhesive may occasionally be ingested and/or may occasionally contact the eyes as single exposure events. Residues of the volatile and semi-volatile ingredients that evaporate from this adhesive are assumed to be diluted at least 100-fold with fresh ambient air before they are inhaled.

Searches of the National Library of Medicine's Toxicological databases and information from other sources provided no data to indicate that any of the ingredients at levels found in this adhesive would be expected to cause chronic toxicity or be corrosive to consumers who may be exposed as described above.

Based on all the available information provided to date and if the assumptions mentioned above are all correct, it is my opinion that the ingredients in this adhesive would not be expected to pose any significant chronic toxic effects in consumers when it is used as intended or under circumstances involving reasonable foreseeable misuse. Consequently, this "Adhesive 4994" product conform to the health requirements of ASTM D-4236 and requires no additional labeling in accordance with the CPSC's Regulations as mandated by the Labeling of Hazardous Art Materials Act (LHAMA). This product must bear the following statement: "Conforms to ASTM D-4236".

Michael J. Norvell, Ph.D., DABT

Conducted by: MJN Associates, LLC

Toxicologist

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