



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
47-610-15

Product Name: BJA Cap Cushion

Release Date: April 18, 2007

1. Product and Company Identification

Trade Name & Synonyms "Elvax" all types except 4260,4310, 4320, 4353, CH555 "Elvax" EP4875-1, EP6449,PE3486	MSDS Code Number VAX001
Chemical Name NA	Manufacture / Distributor GAC International Inc.
C.A.S. Number 108-05-4	Address 355 Knickerbocker Ave. Bohemia, NY USA 11716
Grades or Minor Variant Identities NA	Information Telephone Number 1-631-419-1700
Product Use (for Canada) NA	Emergency Telephone Number 1-631-419-1700

2. Composition of Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Ethylene -Vinyl Acetate Copolymer	NA	NA	>=99.7
Vinyl Acetate	108-05-4	NA	<=0.3

3. Hazard Identification

Emergency Overview					
NA					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	NA	NA	NA	Acute: Mechanical irritation.	NA
Skin	NA	NA	NA	Acute: No data are available. However, based on experience with handling these polymers, no unusual dermatitis hazard is expected from routine handling. Molten polymer contacting the skin will cause thermal burns.	NA
Inhalation	NA	NA	NA	Acute: Polymer is not respirable as marketed. At processing temperatures above 204 degrees C, fumes irritating to the eyes, nose and throat may be produced. Exposure may result in redness, tearing and itching in the eyes together with soreness in the nose and throat with coughing. Chronic: Long -term inhalation exposure of rats and mice to vinyl acetate monomer at the 600 ppm level produced irritation in all animals and carcinomas in the nose and airway of some animals. No compound related effects were seen at the 50 ppm level. Vinyl acetate showed no carcinogenic effects in ingestion tests at the 1000 ppm level in drinking water.	NA
Ingestion	NA	NA	NA	Acute: The oral LD-50 in rats using one type of Elvax is in excess of 1000 milligrams per kilogram of body weight. Two week metabolic tests with dogs and rats showed that no significant amount of polymer was retained by the animals. Two types of Elvax were fed to rats for 90 days at the 5 and 10 % level in the diet. No gross pathological	NA



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				changes were found. Elvax resins have low toxicity.	
Other	<p>Exposure limits: "Elvax" resins all in synonym list VAX001. TLV (ACGIH): None established. PEL (OSHA): Particulates not otherwise regulated; 15mg/m³-8 hr TWA-total dust; 5 mg/m³-8 hr TWA-respirable dust.</p> <p>Other applicable exposure limits: AEL (DuPont): 10 ppm-8 & 12 hr. TWA. TLV(ACGIH): 10 ppm, 35 mg/m³-8 hr TWA, stel 20 ppm, 70 mg/m³. PEL (OSHA): 10ppm, 30 mg/m³ – 8 hr TWA, STEL 20 ppm, 60 mg/m³. * AEL is Dupont's acceptable exposure limit.</p>	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure					
None known.					
Carcinogenicity (IARC, NTP)					
None of the components in this material is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.					
Potential Environmental Effects					
NA					

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.	Call a physician.	NA
Skin	The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin.	Obtain medical treatment for thermal burn.	NA
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.	Call a physician.	NA
Ingestion	NA	NA	NA
Other	NA	NA	NA
Note to Physicians (Treatment, Testing, and Monitoring)			
NA			



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5. Fire and Explosion Data

Flashpoint & Method: 260°C /500 °F Cleveland Method: Open cup.	Flammable (Explosive) Limits in Air LEL: NA UEL: NA	Autoignition Temperature NA	Other NA
Flame Propagation or Burning Hazardous combustion products: Complete combustion gives carbon dioxide and water. Incomplete combustion gives, in addition, carbon monoxide and hydrocarbon oxidation products including organic acids, aldehydes, and alcohols.	Properties Contributing to Fire Intensity NA	Flammability Classification Health- , Flammability- , Reactivity- NA	
Extinguishing Media Water, foam, dry chemical, CO2.		Extinguishing Media to Avoid NA	
Protection and Procedures for Firefighters Wear self-contained breathing apparatus if exposed to fumes.			
Unusual Fire and Explosion Hazards The solid polymer can be combusted only with difficulty. An electrostatic charge can potentially build up when pouring pellets. Grounding equipment is recommended.			

6. Accidental Release Measures

Containment Techniques NA
Spill/Leak Clean-Up Procedures and Equipment Note: Review "Fire and explosion hazards" and "safety precautions" before proceeding with clean up. Use appropriate "personal protective equipment" during clean up. Sweep up to avoid slipping hazard.
Evacuation Procedures NA
Special Instructions NA
Reporting Requirements NA

7. Handling and Storage

Handling Practices and Warnings NA
Storage Practices and Warnings (°C / °F). Store in cool dry place. Keep containers closed to prevent contamination.



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8. Exposure Control/Personal Protection

Ventilation Local ventilation must be used over processing equipment to maintain vinyl acetate concentration in air below 10 ppm.		Other Engineering Controls NA
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	Eye protection is recommended as good industrial hygiene practice.	NA
Skin	Gloves and long sleeve shirt are recommended, particularly when hot polymer is being handled.	NA
Inhalation	A respirator is not needed if local ventilation is adequate to maintain vinyl acetate vapors below 10 ppm.	NA
General Hygiene Considerations and Work Practices NA		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA		
Other Protective Measures and Equipment NA		

9. Physical and Chemical Characteristics

Appearance Pellets. Color: Translucent to white		Odor Mild ester-like
Normal Physical State: <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid <input type="checkbox"/> NA(Other)		Boiling Point °C / °F NA Melting Point °C / °F N/A Freezing Point °C / °F NA
Specific Gravity or Density (H₂O=1) 0.93-0.97	Solubility in Water Negligible	pH NA
Vapor Pressure (mm Hg @ 20°C) NA	Vapor Density (AIR= 1) NA	Evaporation Rate (Butyl Acetate = 1) NA
Other % Volatiles: Negligible		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid) Incompatible with strong acids and oxidizing agents.	
Hazardous Products Produced During Decomposition Vinyl acetate, acetic acid, carbon monoxide and hydrocarbon oxidation products including organic acids, aldehydes and alcohols.	
Hazardous Polymerization? <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid °C / °F NA
Stability? <input checked="" type="checkbox"/> Stable at normal temperatures and storage conditions <input type="checkbox"/> Unstable	Conditions to Avoid Temperatures above 230°C / 446 °F for short residence times; temperatures above 204 degrees CN (399 degrees F) for long residence times.

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data Aquatic toxicity: No data but toxicity if expected to be low based on negligible water solubility of the resin.



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12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements

NA

13. Disposal Considerations

Regulations

Waste disposal: Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

Properties (Physical/Chemical) Affecting Disposal

NA

14. Transport Information

Regulated for shipping?

Yes No NA

Proper Shipping Name

BJA Cap Cushion

Packing Group

NA

Do changes in quantity, packaging, or shipment method change product classification?

Yes No NA

Hazard Class

NA

Identification Number

NA

Other

Section 313 supplier notification: This product contains no known toxic chemicals subject to the reporting requirements of section 313 of the emergency planning and community right-to-know act of 1986 and of 40 CFR 372.

15. Regulatory Information

Federal Regulations

NA

International Regulations

NA

Other

State Right-To-Know Laws: NO substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this MSDS, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to the best of our knowledge the products on this MSDS contain no such substances except for those specifically listed below:

Substances on the Pennsylvania Hazardous substances list present at a concentration of 1 % or more: None known.

Substances on the Pennsylvania special Hazardous substances list present at a concentration of 0.01 % or more: None known.

Non hazardous ingredients present at a concentration of 3 % or more required to be listed by Pennsylvania: Since this product contains no hazardous substances as defined by the Pennsylvania R-T-K regulations, a MSDS is not required by law.

Warning: Substances known to the state of California to cause cancer: None known.

Warning: Substances known to the state of California to cause birth defects of other reproductive harm: None known.

16. Other Information

Supplier Number: 176/47

Supplier Release: November 9, 1990

N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.