# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

**Part Number(s):**
11-30X-XX

Product Name: GAC NON-LATEX ELASTICS

Release Date: July 13, 2006

## 1. Product and Company Identification

| | |
|---|---|
| **Trade Name & Synonyms**<br>Ultra Non Latex Elastics | **MSDS Code Number**<br>UNL |
| **Chemical Name**<br>Styrene-Butadiene-Styrene Block Copolymer<br>Material name: Thermoplastic rubber.<br>Chemical family: Block copolymer<br>Formula: N/A | **Manufacture / Distributor**<br>GAC International Inc. |
| **C.A.S. Number**<br>NA | **Address**<br>355 Knickerbocker Ave.<br>Bohemia, NY USA 11716 |
| **Grades or Minor Variant Identities**<br>NA | **Information Telephone Number**<br>1-631-419-1700 |
| **Product Use (for Canada)**<br>Used as elastomeric ties for ligation. | **Emergency Telephone Number**<br>1-631-419-1700 |

## 2. Composition of Ingredients

| **Hazardous Components** | **C.A.S. Number** | **Exposure Limits** | **%** |
|---|---|---|---|
| Styrene-Butadiene-Styrene Block Copolymer | NA | NA | NA |
| None | NA | NA | NA |

## 3. Hazard Identification

**Emergency Overview**

The health effects noted below are consistent with requirements under the OSHA Hazard Communication Standard (29CFR 1910.1200)

| **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** | Product is practically non-irritating to eyes. | NA | NA | NA | NA |
| **Skin** | Product is practically non-irritating to skin. | NA | NA | NA | NA |
| **Inhalation** | Based on dusting agent, product may cause mild mechanical irritation to the nose, throat and respiratory tract. | NA | NA | NA | NA |
| **Ingestion** | Product is generally considered to have a low order of acute oral toxicity. Irritation as noted above. | NA | NA | NA | NA |
| **Other** | NA | NA | NA | NA | NA |

**Medical Conditions Aggravated by Exposure**
**Aggravated Medical Conditions**: Preexisting eye, skin, respiratory disorders may be aggravated by exposure to this product.

**Carcinogenicity (IARC, NTP)**
NA

**Potential Environmental Effects**
NA

## 4. First Aid Measures

| Routes of Exposure | First Aid Instructions | Immediate Medical Attention | Delayed Effects |
|---|---|---|---|
| **Eye** | Flush eyes with water. | If irritation occurs, get medical attention. | NA |
| **Skin** | If contact with molten product occurs, treat as ordinary burns. | NA | NA |
| **Inhalation** | Not ordinarily required, remove affected person from dusty environment. | NA | NA |
| **Ingestion** | No ordinarily required. | NA | NA |
| **Other** | All evidence indicated that large polymer molecules are not biologically active. | NA | NA |

**Note to Physicians (Treatment, Testing, and Monitoring)**

NA

## 5. Fire and Explosion Data

| Flashpoint & Method: | Flammable (Explosive) Limits in Air | Autoignition Temperature | Other |
|---|---|---|---|
| °C / °F N/A | LEL: N/A UEL: N/A | NA | NA |
| **Flame Propagation or Burning** | **Properties Contributing to Fire Intensity** | **Flammability Classification** | |
| NA | NA | Health-, Flammability-, Reactivity-NA | |

**Extinguishing Media**

Use water, foam, dry chemical or CO2.

**Extinguishing Media to Avoid**

NA

**Protection and Procedures for Firefighters**

Material will not burn unless preheated. Do not enter confined space without fulbunker gear (helmet with face shield, bunker coats, gloves and rubber boots); including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

**Unusual Fire and Explosion Hazards**

NA

## 6. Accidental Release Measures

**Containment Techniques**

NA

**Spill/Leak Clean-Up Procedures and Equipment**

Shovel and sweep up or use industrial vacuum cleaner. Avoid generating dust clouds. Put into containers for reclaiming or disposal.

**Evacuation Procedures**

NA

**Special Instructions**

NA

**Reporting Requirements**

NA

## 7. Handling and Storage

**Handling Practices and Warnings**

Practice good housekeeping. Do not allow product to accumulate in processing area.

**Storage Practices and Warnings**

(°C / °F). Product can accumulate static charges when handled. Equipment should be providing a means for dissipating any charges that may develop. In processing, do not allow the temperature to exceed 400 deg F. Maintain a fire watch if 450 deg F is reached. Avoid vapors from heated products. Adequate ventilation and/or engineering controls must be employed in high temperature processing to prevent exposure to potentially toxic/irritating fumes.

## 8. Exposure Control/Personal Protection

| Ventilation | Other Engineering Controls |
|---|---|
| Ventilation as required to control dust concentration in air. Adequate ventilation and/or engineering controls are required when product is heated in processing. | NA |

| Routes of Entry: | Personal Protective Equipment (PPE) for Normal Use: | PPE for Emergencies: |
|---|---|---|
| **Eye/Face** | Safety glasses should be worn when product is heated in processing. | NA |
| **Skin** | Protective clothing should be worn when product is heated in processing. | NA |
| **Inhalation** | NA | 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 | Odor |
|---|---|
| Solid | Essentially odorless. |

**Normal Physical State:**

☐ Liquid ☐ Gas

☒ Solid ☐ _____ (Other)

**Boiling Point** °C / °F N/A

**Melting Point** °C / °F N/A

**Freezing Point** °C / °F NA

| Specific Gravity or Density ($H_20$=1) | Solubility in Water | pH |
|---|---|---|
| .93 | Negligible in water. | NA |
| **Vapor Pressure (mm Hg @ 20°C)** | **Vapor Density (AIR= 1)** | **Evaporation Rate (Butyl Acetate = 1)** |
| N/A | N/A | N/A |

**Other**

NA

## 10. Stability and Reactivity Data

**Incompatibility (Materials to Avoid)**

Avoid contact with strong oxidizing agents. **Conditions:** Product contains residual unsaturation, which can undergo exothermic oxidative degradation. Accumulation of product in areas exposed to elevated temperatures for extended periods in air may result in self-heating and auto ignition. Internal guideline in five days at 200 deg F.

**Hazardous Products Produced During Decomposition**

At processing temperatures. Some degree of thermal degradation will occur, although highly dependent on temperature/environmental conditions, a variety of decomposition products may be present ranging from simple hydrocarbons (such as methane. /propane) to toxic/ irritating gases) carbon monoxide/dioxide, accrolein, halogenated compounds, acids, ketones, aldehydes). See special precautions.

| Hazardous Polymerization? | Conditions to Avoid |
|---|---|
| ☐ May Occur ☒ May Not Occur | °C / °F NA |
| **Stability?** ☒ Stable ☐ Unstable | **Conditions to Avoid** °C / °F NA |

## 11. Toxicological Information

**Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data**

NA

## 12. Ecological Information

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

NA

## 13. Disposal Considerations

**Regulations**

**Water disposal**: Place in an appropriate disposal facility in compliance with local regulations.

**Properties (Physical/Chemical) Affecting Disposal**

NA

## 14. Transport Information

| Regulated for shipping? | Proper Shipping Name | Packing Group |
|---|---|---|
| ☐ Yes ☒ No | GAC Non-Latex Elastics | NA |

| Do changes in quantity, packaging, or shipment method change product classification? | Hazard Class | Identification Number |
|---|---|---|
| ☐ Yes ☒ No | Not hazardous by DOT regulations. | NA |

**Other**

NA

## 15. Regulatory Information

**Federal Regulations**

The components of this product are listed on the EPA/TSCA inventory of chemical substances.

Occupational Exposure limits: OSHA PEL/TWA. 10MG/M3 Respirable dust. 5MG/M3 Total dust. ACGIH TLV/TWA 10MG/M3 Respirable dust.

**International Regulations**

NA

**Other**

NA

## 16. Other Information

**Supplier Number:** 31/11 **Supplier Release:** October 18, 2004 Rev: 02

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