



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
97-700-00 / 97-710-00 / 97-710-10

Product Name: Archwire Sleevings

Release Date: March 9, 2007

## 1. Product and Company Identification

<b>Trade Name &amp; Synonyms</b> Archwire sleeving	<b>MSDS Code Number</b> AWS
<b>Chemical Name</b> Styrene-butadiene-copolymer. Chemical family: Block copolymer	<b>Manufacture / Distributor</b> GAC International Inc.
<b>C.A.S. Number</b> 9003-55-8	<b>Address</b> 355 Knickerbocker Ave. Bohemia, NY USA 11716
<b>Grades or Minor Variant Identities</b> NA	<b>Information Telephone Number</b> 1-631-419-1700
<b>Product Use (for Canada)</b> NA	<b>Emergency Telephone Number</b> 1-631-419-1700

## 2. Composition of Ingredients

Hazardous Components	All components are non-hazardous	C.A.S. Number	Exposure Limits	%
Styrenebutadiene		9003-55-8	N/A	< 65
Mineral oil		8042-47-5	N/A	< 40
Zinc stearate		567-05-1	N/A	< 1
Antioxidant / stabilizers		NA	NA	< 1
Magnesium carbonate		546-93-0	N/A	< 1
Hydrated Amorphous silica		63231-67-4	N/A	< 1

## 3. Hazard Identification

<b>Emergency Overview</b> 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 N/A	NA	NA	NA	Acute: Mechanical irritation Chronic: None	NA
Skin N/A	NA	NA	NA	NA	NA
Inhalation N/A	NA	NA	NA	Acute: No significant health hazard Chronic : None	NA
Ingestion N/A	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Medical Conditions Aggravated by Exposure</b> None. Exposure limits: None. Potential health effects: None Human effects and symptoms of overexposure: N/A					
<b>Carcinogenicity (IARC, NTP)</b> None					
<b>Potential Environmental Effects</b> NA					

## 4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	N/A	NA	NA
Skin	N/A	NA	NA
Inhalation	N/A	NA	NA
Ingestion	N/A	NA	NA
Other	NA	NA	NA
<b>Note to Physicians (Treatment, Testing, and Monitoring)</b> NA			



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## 5. Fire and Explosion Data

<b>Flashpoint &amp; Method:</b> °C / °F N/A	<b>Flammable (Explosive) Limits in Air</b> LEL: N/A UEL: N/A	<b>Autoignition Temperature</b> NA	<b>Other</b> NA
<b>Flame Propagation or Burning</b> NA	<b>Properties Contributing to Fire Intensity</b> NA	<b>Flammability Classification</b> Health- 0, Flammability-0, Reactivity-0 0=Minimal, 1=Slight, 2= Moderate, 3= Serious, 4= Severe	
<b>Extinguishing Media</b> Foam., CO2, Dry chemical		<b>Extinguishing Media to Avoid</b> NA	
<b>Protection and Procedures for Firefighters</b> None			
<b>Unusual Fire and Explosion Hazards</b> NA			

## 6. Accidental Release Measures

<b>Containment Techniques</b> NA
<b>Spill/Leak Clean-Up Procedures and Equipment</b> Contain and remove by mechanical means
<b>Evacuation Procedures</b> NA
<b>Special Instructions</b> NA
<b>Reporting Requirements</b> NA

## 7. Handling and Storage

<b>Handling Practices and Warnings</b> Keep away from flame or excessive heat. Other notes: N/A
<b>Storage Practices and Warnings</b> (°C / °F). Storage temperature: Ambient. Shelf life: 2 years Special sensitivite: N/A

## 8. Exposure Control/Personal Protection

<b>Ventilation</b> None	<b>Other Engineering Controls</b> NA	
<b>Routes of Entry:</b>	<b>Personal Protective Equipment (PPE) for Normal Use:</b>	<b>PPE for Emergencies:</b>
<b>Eye/Face</b>	None required	NA
<b>Skin</b>	None required	NA
<b>Inhalation</b>	None required	NA
<b>General Hygiene Considerations and Work Practices</b> NA		
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment</b> NA		
<b>Other Protective Measures and Equipment</b> None		



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## 9. Physical and Chemical Characteristics

<b>Appearance</b> Solid. Color: Amber and FDA allowable neon colors		<b>Odor</b> Characteristic odor
<b>Normal Physical State:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Solid <input type="checkbox"/> _____ (Other)		<b>Boiling Point</b> °C / °F N/A <b>Melting Point</b> °C / °F N/A <b>Freezing Point</b> °C / °F N/A
<b>Specific Gravity or Density (H<sub>2</sub>O=1)</b> .95	<b>Solubility in Water</b> Insoluble	<b>pH</b> N/A
<b>Vapor Pressure (mm Hg @ 20°C)</b> N/A	<b>Vapor Density (AIR= 1)</b> NA	<b>Evaporation Rate (Butyl Acetate = 1)</b> NA
<b>Other</b> % volatile by volume: N/A Bulk density: N/A		

## 10. Stability and Reactivity Data

<b>Incompatibility (Materials to Avoid)</b> N/A		
<b>Hazardous Products Produced During Decomposition</b> By fire; oxides of carbon when burned		
<b>Hazardous Polymerization?</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur		<b>Conditions to Avoid</b> °C / °F N/A
<b>Stability?</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable		<b>Conditions to Avoid</b> °C / °F Flames or excessive heat

## 11. Toxicological Information

<b>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data</b> Toxicity tests have not been conducted on this product.
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## 12. Ecological Information

<b>Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements</b> None
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## 13. Disposal Considerations

<b>Regulations</b> Waste disposal method: In accordance to federal, state or local regulations.
<b>Properties (Physical/Chemical) Affecting Disposal</b> NA



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## 14. Transport Information

<b>Regulated for shipping?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No NA	<b>Proper Shipping Name</b> Rubber, natural, tubing	<b>Packing Group</b> NA
<b>Do changes in quantity, packaging, or shipment method change product classification?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No NA	<b>Hazard Class</b> Non- hazardous	<b>Identification Number</b> Not hazardous
<b>Other</b> Freight class bulk: N/A    Freight class package: N/A    Product label: N/A		

## 15. Regulatory Information

<b>Federal Regulations</b> SARA TITLE III: SECTION 302 Extremely hazardous substances: None. SECTION 311/312 Hazard categories: None SECTION 313 Toxic chemicals: None RERA STATUS: Non-hazardous
<b>International Regulations</b> NA
<b>Other</b> NA

## 16. Other Information

<b>Supplier Number:</b> 31/97 <b>Supplier Release:</b> NA
N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.