

MATERIAL SAFETY DATA SHEET

ATLANTIC TRACK & Turnout Co.  
270 Broad St.  
Bloomfield, N.J. 07003  
Phone: 800-631-1274  
Issue Date: 7/20/06

EMERGENCY TELEPHONE NO. 1 (800) 255-3924  
Supersedes: 5/30/03

FOR CHEMICAL  
EMERGENCY  
Call Chem-Tel  
1-800-255-3924  
24 hrs./7days per week

SECTION I - Product Identification: ATLANTIC TRACK AT 830 POLYESTER ANCHOR BOLT ADHESIVE

SECTION II - Hazardous Ingredients/Identify Information

Components:	C.A.S. No.:	Exposure Limits:	% by weight:
Polyester Resin	Prprietary	None assigned	28± 2%
Styrene Monomer	100-42-5	50.0 ppm ACGIH TWA	
		100.0 ppm ACGIH STEL	18± 2%
Pigments	Proprietary	None Assigned	54± 2%

SECTION III: - Physical/Chemical Characteristics

- Appearance: Viscous liquid
- Odor: Styrene odor
- Physical State: Liquid
- pH: Not determined
- Boiling Point: 295°F
- Freezing Point: Not determined
- Flash Point: 89°F TCC
- Vapor Pressure: 4.50 mm Hg @ 68°F
- Oxidizing Properties: Reacts with strong oxidizing agents
- Solubility in Water: Negligible
- Density: 15.4 lb./gal
- Specific Gravity: 1.77 ± 0.02
- Volatile by Weight: 18%
- Viscosity: 15,000 cps @ 72°F
- Explosion Limits: LEL 1.1% by volume UEL 6.1% by volume
- Partition Coefficient: Not determined
- Evaporation Rate: (Butyl Acetate = 1) : Slower than Butyl Acetate

SECTION IV - Fire and Explosion Hazard Data

**Flammable Liquid:** Flammability Class: 1C **Extinguishing Media:** Water spray, dry chemical, Carbon Dioxide, Foam  
**Protective Equipment:** Wear self-contained breathing apparatus and protective clothing. **Special Exposure Hazard:** Containers can build pressure if exposed to heat or fire. The heat from a fire may cause polymerization which could cause violent rupture of closed containers. Vapors from the product may form explosive mixtures with air. **Special Fire Fighting Procedures:** Use water spray to keep fire-exposed containers cool.

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**SECTION V - Reactivity Data**

Chemical Stability: Unstable in extreme heat such as in a fire.  
Conditions To Avoid: Heat and open flame.  
Incompatibility with Other Materials: Avoid oxidizing agents  
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide and Organic Acids  
Hazardous Polymerization: May occur.

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**SECTION VI - Health Hazard Data**

**Emergency Overview: WARNING! Adhesive containing a flammable liquid. Causes eye irritation. May cause skin and upper respiratory tract irritation. May cause central nervous system depression. Do not take internally.**

Relevant Routes of Exposure: Inhalation, eye and skin.

**Signs and Symptoms of Acute Overexposure:**

Exposure to styrene vapors from this product, above 50ppm, may cause irritation of the eyes, nose, and throat, and headache, nausea or vomiting. Liquid resin is irritating to eyes and skin. Protective gloves and goggles are recommended when contact with liquid resin by splash is possible. Use with adequate exhaust ventilation.

**Signs and Symptoms of Chronic Overexposure:**

No known chronic health effects have been observed with normal use of this product. Potential Health Effects / Health Hazard Identification

**Acute Exposure.** Eyes: Causes Irritation Skin: Causes Irritation; Ingestion: May cause irritation to the gastrointestinal track; Inhalation: Mucous membrane irritant

**Chronic Exposure:** Long-term exposure to excess styrene vapor may cause nausea, loss of appetite, CNS depression and general weakness.

**Other Hazards:** Known Synergist: None Known

Explosion Hazard: Empty containers are dangerous. They still may contain flammable vapors. Keep away from heat, sparks, or flames.

Fire Hazard: Classified as Flammable Liquid.

Corrosion Hazard: Not Corrosive

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**SECTION VII EMERGENCY AND FIRST AID PROCEDURES:**

**Eyes:** Immediately flush eyes with water for at least 15 minutes. **Call a physician.** **Skin:** Promptly wash with mild soap and water. **Ingestion:** Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. **Call a physician.** **Inhalation:** Remove to fresh air. Give oxygen if breathing is difficult. **Call a physician.** **Other:** Promptly remove wet, contaminated clothing. Wash before reuse. Additional Protective Measures First Aid Facilities: Eye bath, safety shower, washing facilitation. Advice to Physicians: None Known

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**SECTION VIII - Precautions for Safe Handling and Use**

**Handling:** Material is a combustible liquid; keep away from heat, open flame, oxidizers, and other ignition sources. Avoid breathing vapors. Use protective equipment when handling.

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Storage: Store indoors with adequate ventilation and out of direct sunlight. Store away from oxidizing agents. Always use oldest lots first. Material should last 6 months at not over 75°F.

Leaks and Spills: Eliminate all ignition sources. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. For large spills; flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams. Personal Protection: Wear protective clothing. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current Federal, state and local regulation. For further information, contact your state or local waste agency, the United States Environmental Protection Agency's RCRA hotline (1-800-424-9346) or (202-382-3000). Precautions To Be Taken in Handling and Storing: Wear protective clothing, eye protection and gloves. Other Precautions: None.

SECTION IX - Control Measures

Engineering Control: Local exhaust ventilation should be used to control the emissions of air contaminants. General dilution ventilation may assist with the reduction of air contaminant concentrations. Respiratory Protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. Respirator type: Organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134. Ventilation Required: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated space, evaporation from large surfaces, spraying, heating, etc. Skin Protection: Wear impervious gloves, boots, and protective clothing appropriate for the risk of exposure. Eye Protection: Wear safety glasses with side shields (or goggles).

SECTION X Toxicological Information

Material LD50.RAT.Oral
Styrene > 5g/kg
Eye Effects: Mildly irritating
Skin Effects: Mildly irritating Inhalation
Effects: Prolonged breathing of vapors can cause headache.
Ingestion Effects: May cause nausea

Section XI. Ecological Information

Ecotoxicity: The styrene in this product is expected to be toxic to aquatic organisms
Persistence: The organic portion of this product is expected to biodegrade.

Section XII: Disposal Considerations

Disposal: Discharge, treatment, or disposal may be subject to national, state and local laws. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Section XIII: Transport Information

United Nations Number: UN1993

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Packing Group: PG III

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**Section XIV: Regulatory Information**

U.S. Federal Regulations: Toxic substances control act (TSCA) Inventory - Yes

U.S. DOT Regulations:

**Hazard Class:** Adhesive containing a flammable liquid.

**ID Number:** UN1133

**Packing Group:** III Flammable Liquid

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**Section XV: Other Information**

NFPA Codes:

**Health:** 2

**Reactivity:** 2

**Flammability:** 3

HMIS Codes:

**Health:** 2

**Reactivity:** 2

**Flammability:** 3

Workers using AT 830 Polyester Anchor Bolt should read and understand this MSDS and be trained in the proper use of this material. This MSDS has been prepared with data from laboratories, raw material supplier data and government publications.

This MSDS contains all the information items specified in Schedule 1, Column 3 of the Controlled Products Regulations in a 16 heading format..