



**Advanced Adhesive Technologies, Inc.**  
**AAT-182 Ultra Seam Sealer**  
**Specification Sheet**

**Description:**

AAT-182 Ultra Seam Sealer is a cyanoacrylate adhesive designed for joining seams and making repairs in a wide range of flooring, including sheet vinyl and woven vinyl products with PVC and urethane backings AAT-182 can also be used for many other resilient floor coverings including rubber and polypropylene based floor coverings and backing systems. AAT-182 is an instant adhesive with a set-up time of 20-40 seconds. Care should be taken not to get 182 on fingers, face, eyes or other body parts during use.

**Installation Instructions:**

1. For best results, seams should be sealed within one (1) hour of laying vinyl into wet adhesive. You should consult your floor's installation brochure, and cut your seam accordingly. Insure that your seam is dry, clean, and free of floor-bonding adhesive.
2. Attach the applicator tip to the plastic squeeze bottle. If the outlet becomes clogged while using, remove the dried adhesive from the outlet with a small thin wire. (Under no circumstances should excessive pressure be applied to the squeeze bottle as a means of unclogging the outlet hole or holes).
3. Starting at one end of your seam, insert back side of the tip of the applicator nozzle, and gently squeeze the bottle, moving it along the seam. The specially designed tip momentarily opens the material, permitting the flow into the seam. A proper application will leave a 1/32"-wide bead of adhesive between the edges of the seam.
4. Be sure to not allow this seam sealer to be over applied on the surface of the flooring. Remove any excess adhesive with AAT-184 Remover. Blot the area to be cleaned. Do not wipe. Although the seam sealing adhesive is fast drying, it is recommended that no traffic be permitted on the fresh seam for at least two hours.
5. When finished sealing, clean the applicator bottle and nozzle with AAT-184 Remover. A small wire or straight pin can be used to keep the nozzle open.

**Application Rate:**

Approximately 200 linear feet per 2oz. bottle

**KEEP OUT OF REACH OF CHILDREN**  
**DESIGNED FOR THE PROFESSIONAL INSTALLER**

**CAUTION:** Will bond skin in seconds, avoid skin and eye contact. Vapors irritate mucous membranes. Use with adequate ventilation. Avoid skin and eye contact.

Contains cyanoacrylate, ester, and combustible liquid. Store in a cool, dry place. Refrigeration extends shelf life. Shelf life: 6 months from date of manufacture in an unopened container.

419 S. Glenwood Avenue • Dalton, GA 30721  
800-228-4583 • Fax 706-278-6207 • [www.aatglue.com](http://www.aatglue.com)

April 20, 2009  
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**Advanced Adhesive Technologies, Inc.**  
**AAT-184 Ultra Seam Sealer Remover**  
**Specification Sheet**

**Description:**

AAT-184 Ultra Seam Sealer Remover is an adhesive remover designed for the AAT-182 Ultra Seam Sealer.

**Installation Instructions:**

1. Apply remover directly to the area containing unwanted adhesive. Note: May adversely affect some plastics or other materials. Test first in an inconspicuous area.
2. As adhesive begins to dissolve, wipe with a clean, white cloth to remove the adhesive.
3. Repeat this process until all unwanted adhesive is dissolved.

**KEEP OUT OF REACH OF CHILDREN**  
**DESIGNED FOR THE PROFESSIONAL INSTALLER**

**CAUTION:** Use only as directed. Use adequate ventilation and avoid inhaling. If affected seek fresh air immediately. If prolonged eye or skin contact occurs, rinse with plenty of water. If problems persist, contact a physician. If swallowed, do not induce vomiting and call a physician immediately.

Contains nitro-methane, combustible liquid. Store in a cool, dry place.

419 S. Glenwood Avenue • Dalton, GA 30721  
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April 20, 2009  
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ADVANCED ADHESIVE TECHNOLOGIES, I NC.  
 424 S. SPENCER ST.  
 DALTON, GA 30722

MATERIAL SAFETY DATA SHEET  
 AAT-182 ULTRA SEAM SEALER

Date: November 21, 2008 (Replaces September 4, 2003)  
 Created By: Tim Brown

IN CASE OF EMERGENCY: CHEMTREC (24 hours) (800)424-9300  
 (8am - 5pm ET) (706)226-0610

HMIS: Health 2 Flammability 2 Physical Hazard 1

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME: AAT-182 ULTRA SEAM SEALER  
 DESCRIPTION: INSTANT ADHESIVE, SEAM SEALER

SECTION 2: COMPOSITION

|                            | CAS#      | %       |
|----------------------------|-----------|---------|
| ETHYL CYANOACRYLATE:       | 7085-85-0 | 90-99   |
| POLY (METHYL METHACRYLATE) | 9011-14-7 | 1-10    |
| HYDROQUINONE               | 12-31-9   | 0.1-0.5 |

INGREDIENTS THAT HAVE EXPOSURE LIMITS:

| EXPOSURE LIMITS<br>INGREDIENTS: | ACGIH<br>(TLV)        | OSHA<br>(PEL)         | OTHER                   |
|---------------------------------|-----------------------|-----------------------|-------------------------|
| ETHYL CYANOACRYLATE             | 0.2 ppm TWA           | NONE                  | NONE                    |
| HYDROQUINONE                    | 2mg/m3 TWA            | 2mg/m3TWA             | 2mg/m3TWA<br>4mg/m3STEL |
| EXPOSURE LIMITS (STEL)          |                       |                       |                         |
| ETHYLCYANOACRYLATE              | (4 ppm)<br>(18 mg/m3) | (4 ppm)<br>(16 mg/m3) |                         |

SECTION 3: HAZARDS IDENTIFICATIONS:

TOXICITY: Skin contact may cause burns. Bonds skin rapidly  
 Skin and eye irritant  
 Estimated oral LD 50 mor than 5, 000 mg/kg  
 Estimated dermal LD 50 or more 2,000 mg/kg

PRIMARY ROUTES OF ENTRY: None known

SYMPTOMS OF EXPOSURE: Vapors are irritating to mucous membranes when above  
 TLV. Prolonged and repeated overexposure to vapors  
 may produce allergic reactions with asthma like  
 symptoms in sensitive individuals.

Existing conditions aggravated by exposure: None known

TARGET ORGANS AND OTHER HEALTH EFFECTS:

|                             |  |     | CARCINOGENS |      |
|-----------------------------|--|-----|-------------|------|
|                             |  | NTP | LARC        | OSHA |
| Ethyl Cyanoacrylate:        | Allergen, irritant, respiratory  | No  | No          | No   |
| Poly (methyl methacrylate): | Irritant   | No  | N/A         | No   |
| Hydroquinone                | ACGIH animal carcinogen, blood,<br>Bone marrow, central nervous system,<br>eye, immune system, irritant, liver,<br>skin, mutagen, thyroid. | No  | N/A         | No   |

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**SECTION 4: FIRST AID MEASURES AND PERSONAL PROTECTION**

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|                              |   |
|------------------------------|---|
| INGESTION:                   | Ingestion is not likely.  |
| INHALATION:                  | Remove to fresh air. If symptoms persist, obtain medical attention.                                     |
| SKIN CONTACT:                | Soak in warm water.   |
| EYE CONTACT:                 | Flush with water.   |
| <b>PERSONNEL PROTECTION:</b> |   |
| EYE:                         | Chemical safety glasses or goggles  |
| SKIN:                        | Polyethylene gloves and/or aprons. <b>DO NOT</b> use cotton/cloth type gloves.                          |
| VENTILATION:                 | Positive draft exhaust ventilation should be provided to maintain vapor concentration levels below TLV. |

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**SECTION 5: FIRE FIGHTING MEASURES**

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|  |                                    |
|--|------------------------------------|
| FLASH POINT:   | 160° - 200°F (method TCC)          |
| EXTINGUISHING AGENTS:                                | Carbon dioxide, foam, dry chemical |
| SPECIAL FIRE FIGHTING PROCEDURES                     | Not available                      |
| HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMP: | Irritating organic vapors          |
| UNUSUAL FIRE OR EXPLOSION HAZARDS:                   | None                               |
| EXPLOSIVE LIMITS:                                    |                                    |
| (% BY VOLUME IN AIR) LOWER                           | Not available                      |
| (% BY VOLUME IN AIR) UPPER                           | Not available                      |

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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If a spill or leak occurs flood area with water to polymerize (cure) the material. Soak up with an inert absorbent.

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**SECTION 7: HANDLING AND STORAGE**

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|           |   |
|-----------|---|
| STORAGE:  | Store below 72°F  |
| HANDLING: | Avoid contact with skin and eyes. Avoid breathing vapors. |

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**SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

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|              |   |
|--------------|---|
| EYES:        | Chemical safety glasses or goggles  |
| SKIN:        | Polyethylene gloves and aprons. <b>DO NOT</b> use cotton or cloth materials.                          |
| VENTILATION: | Positive down draft exhaust ventilation should be provided to maintain vapor concentration below TVL. |

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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|                      |                                   |
|----------------------|-----------------------------------|
| APPEARANCE:          | Clear liquid                      |
| ODOR:                | Sharp, irritating                 |
| BOILING POINT:       | More than 300°F                   |
| SOLUBILITY IN WATER: | Polymerized                       |
| SPECIFIC GRAVITY:    | 1.05 @ 75°F                       |
| VAPOR PRESSURE:      | Less than 0.2 mm @ 75°F           |
| VAPOR DENSITY:       | 3                                 |
| VOC                  | 87.1%; 914.55 g/l (EPA METHOD 24) |

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**SECTION 10: STABILITY AND REACTIVITY**

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|                         |  |
|-------------------------|--|
| STABILITY:              | Stable   |
| HAZARDOUS               |  |
| POLYMERIZATION:         | Will not occur   |
| INCOMPATIBILITY:        | Polymerized by contact with water, alcohol, amines, alkalies |
| CONDITIONS TO AVOID:    | Not available  |
| HAZARDOUS DECOMPOSITION |  |
| PRODUCTS:               | (Non-thermal); None  |

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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REFER TO SECTION 3

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**SECTION 12: ECOLOGICAL INFORMATION**

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NO DATA AVAILABLE

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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|                                 |   |
|---------------------------------|---|
| RECOMMENDED METHODS OF DISPOSAL | Polymerize as indicated in Section 6. Incinerate following EPA and local regulations. EPA Hazardous waste number: NH - Not a RCRA Hazardous Waste Material. |
|---------------------------------|---|

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**SECTION 14: TRANSPORTATION INFORMATION**

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|                           |              |
|---------------------------|--------------|
| DOT (49CFR 172)           |              |
| DOMESTIC GROUND TRANSPORT |              |
| PROPER SHIPPING NAME:     | Unrestricted |
| HAZARD CLASS OR DIVISION: | Unrestricted |
| IDENTIFICATION NUMBER:    |              |
| MARINE POLLUTANT:         | None         |
| IATA                      |              |
| PROPER SHIPPING NAME      | Unrestricted |
| CLASS OR DIVISION:        | Unrestricted |
| UN OR ID NUMBER:          | None         |

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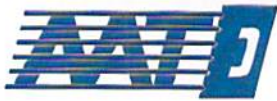
**SECTION 15: REGULATORY INFORMATION**

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|                   |  |
|-------------------|--|
| CA Proposition 65 | No Prop 65 Chemicals known to be present |
|-------------------|--|

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ADVANCED ADHESIVE TECHNOLOGIES, I NC.  
419 S. GLENWOOD AVE  
DALTON, GA 30721

MATERIAL SAFETY DATA SHEET  
AAT-184 ULTRA SEAM SEALER REMOVER

Date: April 30, 2009 (Replaces November 21, 2008)  
Created By: Chris Wood  
IN CASE OF EMERGENCY: CHEMTREC (24 hours) (800)424-9300  
(8am - 5pm ET) (706)226-0610

**HMIS: Health 1 Flammability 3 Physical Hazard 4**

**SECTION 1: CHEMICAL PRODUCT IDENTIFICATION**

PRODUCT NAME: AAT-184 ULTRA SEAM SEALER REMOVER  
DESCRIPTION: INSTANT ADHESIVE, SEAM SEALER REMOVER

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

| <b>Hazardous Component</b> | <b>CAS Number</b> | <b>%</b> |
|----------------------------|-------------------|----------|
| Nitromethane               | 75-52-5           | 99-100   |

| <b>Exposure Limits (TWA)</b> | <b>ACGIH (TLV)</b> | <b>OSHA (PEL)</b> | <b>OTHER</b> |
|------------------------------|--------------------|-------------------|--------------|
| 20ppm                        | 50mg/m3            | 100ppm            |              |

**SECTION 3: HAZARDS IDENTIFICATIONS:**

TOXICITY: Possible eye and respiratory irritant. Narcotic at high concentrations. Prolonged inhalation may cause headaches. Moderately toxic by ingestion. Liquid may dry out skin.

PRIMARY ROUTES OF ENTRY: Inhalation, Ingestion, contact

SYMPTOMS OF EXPOSURE: Vapors irritate eyes, nose, and throat. Liquid is an eye irritant and may irritate skin.

**SECTION 4: FIRST AID MEASURES AND PERSONAL PROTECTION**

INGESTION: Give water to dilute. Do not induce vomiting. Keep individual calm and seek medical attention.

INHALATION: Remove to fresh air. If symptoms persist, obtain medical attention.

SKIN CONTACT: Wash in warm water.

EYE CONTACT: Flush with warm water. Seek medical attention.

**SECTION 5: FIRE FIGHTING MEASURES**

FLASH POINT: 96EF, Tag Closed Cup

EXTINGUISHING AGENTS: Carbon dioxide, foam, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Not available

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMP: Irritating organic vapors

UNUSUAL FIRE OR EXPLOSION HAZARDS: None

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Avoid flame and sparks. Maintain adequate ventilation. Soak up in an inert absorbent and store in a closed container until disposal.

**SECTION 7: HANDLING AND STORAGE**

STORAGE: Store away from flame and sparks.

HANDLING: Keep container tightly closed. Avoid contact with skin. Avoid breathing vapors. Do not use around heat, sparks, or open flame.

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**SECTION 8: PROTECTIVE EQUIPMENT**

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|              |  |
|--------------|--|
| EYES:        | Safety glasses or goggles with side shields.                             |
| SKIN:        | Polyethylene or non-reactive gloves.                                     |
| VENTILATION: | Local exhaust ventilation recommended to maintain vapor level below TVL. |

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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|   |                         |
|---|-------------------------|
| APPEARANCE:                                   | Colorless liquid        |
| ODOR:   | Sharp, pungent          |
| BOILING POINT:                                | 214°F                   |
| VAPOR PRESSURE:                               | 27.3 mmHg @ 20°C        |
| VAPOR DENSITY:                                | 2.1                     |
| EVAPORATION RATE:                             | Slower than ethyl ether |
| SPECIFIC GRAVITY:                             | 1.124-1.135 @ 77°F      |
| SOLUBILITY IN WATER:                          | Miscible                |
| VOLATILE ORGANIC COMPOUND:<br>(EPA Method 24) | 100% by wt.             |
| pH  | 6.4                     |
| PARTITION COEFFICIENT:                        | - 0.35                  |
| AUTOIGNITION TEMPERATURE:                     | 785°F                   |

Flammable limits in air: Lower 7.1% by volume @ 33°C  
Upper 11.5% by volume @ 33°C

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**SECTION 10: STABILITY AND REACTIVITY**

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|                  |   |
|------------------|---|
| STABILITY:       | Unstable at elevated temperatures and pressures.  |
| HAZARDOUS        |   |
| POLYMERIZATION:  | Will not occur  |
| INCOMPATIBILITY: | Avoid contact with strong oxidizing agents, reducing agents, alkenes, brass, copper, lead alloys, activated carbon. |

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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|                 |  |
|-----------------|--|
| ACUTE TOXICITY: | Peroral; LD50=1210-1478 mg/kg(rat), Percutaneous: LD50=>2000 mg/kg(rabbit). Inhalation: LD50>5113ppm (rat)<br>Has caused cancer in laboratory animals. Potential carcinogen. |
|-----------------|--|

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**SECTION 12: ECOLOGICAL INFORMATION**

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Based on OECD guidelines, this material cannot be considered as readily biodegradable; however that doesn't necessarily mean that the material is not biodegradable under environmental conditions. This material is slightly toxic to aquatic organisms on an acute basis (LC50/EC50 between 10 and 100 mg/L).

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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|                      |   |
|----------------------|---|
| DISPOSAL PROCEDURES: | Do not dump into sewers, on the ground, or into any body of water. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. For unused and uncontaminated product, the preferred options include sending to a licensed, permitted incinerator or other thermal destruction device. |
|----------------------|---|

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**SECTION 14: TRANSPORTATION INFORMATION**

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|                            |   |
|----------------------------|---|
| DOMESTIC GROUND TRANSPORT: | Compounds, Cleaning, Liquid (more than one liter) |
| PROPER SHIPPING NAME:      | Nitromethane                                      |
| HAZARD CLASS OR DIVISION:  | Flammable Liquid 3, Packing Group II              |
| IDENTIFICATION NUMBER:     | UN 1261   |
| MARINE POLLUTANT:          | No  |

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**SECTION 15: REGULATORY INFORMATION**

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**US Federal Regulations****TSCA (Toxic Substances Control Act) Status****TSCA (United States) The intentional ingredients of this product are listed.****CERCLA RQ (Reportable Quantity) - 40 CFR 302.4 (a)**

| <u>Component</u> | <u>RQ (lbs.)</u> |
|------------------|------------------|
|------------------|------------------|

|      |  |
|------|--|
| None |  |
|------|--|

**SARA 302 Components - 40 CFR 355 Appendix A: NONE****Section 311/312 Hazard Class - 40 CFR 370.2****Immediate (x) Delayed (x) Fire (x) Reactive ( ) Sudden Release of Pressure ( )****SARA 313 Components - 40 CFR 372.65: NONE****International Regulations****EINECS: Listed****DSL: Listed****State and Local Regulations****CA Proposition 65:**

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substances known to the state of California to cause cancer: Nitromethane (CAS# 75-52-5) at  $\geq 99\%$  and 2-Nitropropane (CAS# 79-46-9) at  $\leq 0.099\%$