



Advanced Adhesive Technologies, Inc.
AAT-181 Universal Seam Adhesive
Specification Sheet

I. Description:

AAT-181 is a copolymer seam adhesive recommended for all types of carpet backings including vinyl (PVC). AAT-181 can be used in direct glue and double glue carpet applications. AAT-181 can be used to “butter” carpet edges in preparation for making seams for stretch-in carpet installations.. AAT-181 Universal Seam Adhesive can also be used to join seams in resilient flooring like pure vinyl and linoleum sheet goods.

AAT-181 is solvent free and contains no hazardous or toxic chemicals. AAT-181 is 0 VOC as defined by the SCAQMD Proposition 65, Rule 1168. AAT-181 is solvent free, “Environmentally Safe” and “Installer Friendly”.

AAT-181 dries to an extremely strong bond, having tensile strength which exceeds traditional direct glue down, solvent based seam adhesives. AAT-181 can be applied to the edge using the same installation procedure and technique that is currently employed for all conventional seam adhesives. Place a 1/16" bead at the edge interface of first piece of material, while it lies in the spread floor covering adhesive, and then compress the second edge into the first. Apply the adhesive to only one side of the flooring.

Adhesive smears can be easily cleaned within 10-15 minutes by blotting with a clean cloth wet with soapy water. Dried adhesive can be removed with AAT-197 Adhesive Remover. Do not soak the seam with either soapy water or solvent. Test all adhesive cleaners in an inconspicuous area to be sure the color/finish of the flooring will not be effected by the adhesive removers.

II. Specific Technical Data:

- A. Latex Copolymer blend
- B. Color - white liquid, dries clear
- C. High strength, water resistant
- D. Solvent free, low odor (odorless when dry), Non-flammable liquid
- E. Shelf life: Up to one year in an unopened container. Keep from freezing

III. Uses:

- 1. Latex buttering of broadloom carpet
- 2. Linoleum and vinyl sheet goods.
- 3. Direct Glue Down seam sealing for: PVC backed carpet, linoleum, pure vinyl(homogenous) sheet goods and broadloom carpet having backings of woven polypropylene (ActionBac®), unitary and attached cushion products (Enhancer, Kanga, Envirobac).

IV. Available in quarts, gallons, and 4 gallon pails.

Clean-up: Wet - soapy water Dry - AAT-197 Safety Solvent



August 2006



Safety Data Sheet

Print Date: May 13, 2015

1. Identification

- **Product Name:** AAT-181
- **Product Use:** Universal Seam Sealer
- **Manufacturer:** Advanced Adhesive Technologies, Inc.
424 South Spencer Street
Dalton, GA 30721
- **Business Number:** 800-228-4583
- **Emergency telephone number:** Chemtrec 1-800-424-9300

2. Hazard(s) identification

- **Classification of the substance or mixture**

This product does not meet the criteria for classification as hazardous under the GHS and 29 CFR 1910.1200

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA rating (scale 0 – 4)**

Health = 1
Fire = 0
Reactivity = 0



- **HMIS-rating (scale 0 – 4)**

Health = 1
Fire = 0
Physical Hazard = 0

3. Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Seam Sealer
- **Dangerous components:**
No hazardous/reportable components

| | | |
|-----------------|-------|--------|
| Cas # 7732-18-5 | Water | 31-48% |
|-----------------|-------|--------|

- **Trade name:** AAT-181

4. First-aid measures

- **Description of first aid measures**
- **After inhalation:** Overexposure, remove to fresh air and seek medical attention.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available

5. Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substances or mixture:** Dried solids can burn and release toxic fumes and vapors.
- **Advice for firefighters**
- **Protective equipment:** Protective clothing and respiratory protective device.

6. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **Environmental precautions:** Dilute with water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)
Wash area thoroughly with water.
Dispose of contaminated material as waste in accordance with federal state and local regulations.
Ensure adequate ventilation.
- **Reference to other sections**
See section 7 for information on safe handling
See section 8 for information on personal protection equipment
See section 13 for disposal information

7. Handling and storage

- **Precautions for safe handling**
Avoid prolonged or repeated contact with skin.
Avoid contact with eyes.
Wash thoroughly after handling.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by store rooms and receptacles:**
Store above 40 °F. Freeze-thaw stable up to five cycles at 20 °F.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** Protect product from freezing.
- **Specific end use(s)** No further relevant information available.

8. Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
This product does not contain any relevant quantities of materials with critical values that have to monitor at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not necessary if room is well-ventilated
- **Protection of hands:** Protective gloves
The glove material has to be impermeable and resistant to the product/the substance/ the preparation.
- **Material of gloves:** latex
- **Eye protection:** Safety glasses with side shields
- **Body protection:** Protective work clothing

9. Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

| | |
|--------|---------------------|
| Form: | Semi viscous liquid |
| Color: | White |
- **Odour threshold:** Not determined
- **pH-value at 20°C (68°F):** 4.5 – 6.5
- **Change in condition**

| | |
|----------------|---------------|
| Melting point: | Undetermined |
| Boiling point: | 212°F (100°C) |
- **Flash point:** Not applicable
- **Flammability (solid, gaseous):** Not applicable
- **Ignition temperature:**

| | |
|----------------------------|----------------|
| Decomposition temperature: | Not determined |
|----------------------------|----------------|
- **Auto igniting:** Product is not self igniting
- **Danger of explosion:** Product does not present an explosion hazard.
- **Flammable limits:**

| | |
|--------|----------------|
| Lower: | Not determined |
| Upper: | Not determined |
- **Specific gravity at 20°C (68°F):** 1.07
- **Relative density:** Not determined
- **Vapour density:** Not determined
- **Evaporation rate:** Slower than ether
- **Solubility in/Miscibility with**

| | |
|--------|-------------------------------------|
| Water: | Miscible in water, difficult to mix |
|--------|-------------------------------------|

- **Solvent content:**
 - Organic solvents:** 0.0%
 - Water:** 30 – 40%
- **Other information:** California VOC Compliance:
Solvent Free Product
SCAQMD Rule 1168: VOC compliant

10. Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11. Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** May irritate the skin
 - **on the eye:** May irritate the eye
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories:**

| |
|---|
| • IARC (International Agency for Research on Cancer) |
| None of the ingredients is listed |
| • NTP (National Toxicology Program) |
| None of the ingredients is listed |
| • OSHA-Ca (Occupational Safety & Health Administrations) |
| None of the ingredients is listed |

12. Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects:** No further relevant information available.

13. Disposal Considerations

- **Waste treatment methods**
- **Recommendation:** Comply with current regulations

- **Uncleaned packaging:**
- **Recommendation:** Comply with current regulations.

14. Transport information

| | |
|--|--|
| • Un-Number | |
| • DOT, ADR, AND, IMDG, IATA | Not regulated |
| • UN proper shipping name | |
| • DOT, ADR, AND, IMDG, IATA | Not regulated |
| • Transport Hazard class (es) | |
| • DOT, ADR, AND, IMDG, IATA | |
| • Class | Not regulated |
| • Packing group | |
| • DOT, ADR, IMDG, IATA | Not regulated |
| • Environmental hazards: | Not applicable |
| • Special precautions for user | Not applicable |
| • Transport in bulk according to Annex II of MARPOL73/45 and the IBC Code | Not applicable |
| • Transport/Additional information: | DOT, ADR, IMDG, IATA – Not regulated in transport. Not dangerous according to the above specifications. |
| • UN “Model Regulation”: | |

15. Regulatory information

- **Safety, health and environmental regulation/legislation specific for the substance or mixture**

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed

- **TSCA (Toxic Substances Control Act):**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements,

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed

- **Chemicals known to cause reproductive toxicity:**

None of the ingredients is listed

- **(DSL) Canada Domestic Substance List**

All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from SDL requirements

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

| |
|---|
| None of the ingredients is listed |
| • TLV (Threshold Limit Value established by ACHIH) |
| None of the ingredients is listed |
| • NIOSH-Ca (National Institute for Occupational Safety and Health) |
| None of the ingredients is listed |

16. Other information

Although the information and recommendations set forth in the SDS are presents in good faith and are believed to be correct as of the date of this SDS, AAT makes not representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will AAT or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

Department issuing SDS: Environment protection department

Creation date: May 1, 2015