

AAT-272 Super Premium Sheet Vinyl Adhesive

Technical Data Sheet

Description:

AAT-272 is specially formulated water-based adhesive designed not only for the installation of felt backed sheet vinyl but also solid vinyl sheet goods intended for full-spread installations. AAT-272 can also be used to install linoleum, vinyl or rubber tiles. This unique adhesive will not stain or discolor resilient floors and eliminates the need to inventory several different adhesives for various types of sheet vinyls from a variety of manufacturers. This Super-Premium product provides adequate “slip time” and greatly reduces the “gassing” tendency common with most adhesives when installing non-porous floor coverings. The AAT-272 is backed by a Seven Year Limited Warranty. This zero VOC adhesive is protected by the CleanGuard® two-stage antimicrobial. CleanGuard® is a specifically formulated broad-spectrum, anti-microbial agent that protects our adhesives and sealers from microorganisms, such as mold or mildew, in both the wet and dry state

Uses:

AAT-272 Super Premium Sheet Vinyl Adhesive is recommended for the following installations:

- Resilient Products
 - Felt backed sheet vinyl
 - Vinyl [PVC] sheet (Full Spread) including “fiberglass” backed sheet vinyl.
 - Linoleum
 - Vinyl Composition Tile (VCT)
 - PVC tile [max. 12” x 12”]
 - Rubber tile [max. 24” x 24”]
- Carpet
 - While this adhesive is specifically designed for the installation of resilient products it can be used to install virtually any carpet regardless of backing type.
- Sub-floors must be flat and structurally sound. All concrete curing agents, paints, varnishes, oils, waxes, finishes and any other bond inhibiting substances must be removed. Smooth or glazed surfaces must be abraded. Repair all joints and cracks with latex-based portland cement underlayments
 - APA rated, underlayment grade plywood
 - Concrete-on, above or below grade in the absence of excessive moisture and alkali max. moisture emission rate of 3lbs/1000 sq ft. /24 hours [ASTM F1869], a pH of 7.0- 9.0 [ASTM F710], and max. RH of 80% [ASTM F2170].
 - Properly prepared gypsum cement



NOTE: Particleboard is **not** a recommended underlayment. Strip or plank wood flooring and OSB sub-floors should be covered with an approved underlayment (minimum thickness of ¼”). Before beginning installations with flooring types or over sub-floors not listed contact AAT Technical Services for recommendations. Very porous sub-floors must be primed with AAT-570 Primer.

III. Specific Technical Data:

- A. Base: Latex-resin emulsion
- B. Color: Light Tan
- C. Shelf Life: One year from date of manufacture in an unopened container
- D. Flammability: Non-flammable
- E. Freeze/thaw stable: (Stability and spreadability can be altered if allowed to freeze.) If frozen allow the adhesive to thaw at room temperature. Do not stir or agitate the adhesive while it is frozen.
- F. Recommended trowel and approximate coverage (Depth x Width x Space) : 1/16” x 1/16” x 1/16” square notch; 125-150 sq. ft./gal.
- G. Clean-up: Remove wet adhesive with wet cloth. Use AAT-197 adhesive cleaning solvent for dry adhesive
- H. VOCs: 0 g/l (Calculated per Ca. Rule 1168), CRI GLP
- I. Sizes: 4 gal, cs/gal, and cs/qts
- J. Open time: Slip-20 min. plus, Tack-30 min., Bond-24 hours

04.29.2015 [replaces 12.11.2013]



Safety Data Sheet

Print Date: May 13, 2015

1. Identification

- **Product Name:** AAT-272
- **Product Use:** Super Premium Sheet Vinyl Adhesive
- **Manufacturer:** Advanced Adhesive Technologies, Inc.
424 South Spencer Street
Dalton, GA 30721
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:** Adhesive
- **Dangerous components:**
No hazardous/reportable components

Cas # 7732-18-5	Water	31-48%
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- **Trade name:** AAT-272

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:** natural rubber

- **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:	Heavy paste
Color:	Tan to light beige

- **Odor:** Resinous
- **Odour threshold:** Not determined
- **pH-value at 20°C (68°F):** 9.3-10.8

- **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):** 1.02 – 1.26
- **Relative density:** Not determined
- **Vapour density:** Not determined
- **Evaporation rate:** Slower than ether

- **Solubility in/Miscibility with**

Water:	Miscible in water, difficult to mix
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- **Solvent content:**
 - Organic solvents:** 0.0%
 - Water:** 31-48%
- **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