

# S-599 Premium Commercial Sheet Flooring Adhesive

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations  
Revision Date: / / Date of issue: 4/9/2015

Version: 01

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Viscous Aqueous Paste

**Product Name:** S-599 Premium Commercial Vinyl Sheet Flooring Adhesive

#### 1.2. Intended Use of the Product

**Use of the substance/mixture:** • Commercial Vinyl-Backed • Commercial Heterogeneous and Inlaid • Commercial Felt-Backed over porous and non-porous subfloors.

#### 1.3. Name, Address, and Telephone of the Responsible Party

**Company:** Armstrong World Industries, Inc  
2500 Columbia Ave  
Lancaster, PA 17603

**Technical Telephone No.:** 877-276-7876

#### 1.4. Emergency Telephone Number

**Emergency Number** : Within the U.S. 800-255-3924

### SECTION 2: HAZARDS IDENTIFICATION

None as per OSHA Regulation: 29 CFR 1910.1200

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Name	Product Identifier	%	Classification (GHS-US)
Water	7732-18-5	40 -60	

#### 3.2. Mixture

Name	Product Identifier	%	Classification (GHS-US)
Acrylic CoPolymer	Mixture	40 - 100	
Resin- Rosin Ester	Mixture	20 - 35	

Full text of H-phrases: see section 16

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to unconscious person. If you feel unwell, seek medical advice.

**First-aid Measures After Inhalation:** Remove person to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention.

**First-aid Measures After Skin Contact:** Wash contaminated area with soap and water. Remove contaminated clothing and wash before reuse. If irritation develops, seek medical attention.

**First-aid Measures After Eye Contact:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**First-aid Measures After Ingestion:** If swallowed, do not induce vomiting. Seek immediate medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries:**

**Symptoms/Injuries After Inhalation:** Product has mild odor. None is expected.

**Symptoms/Injuries After Skin Contact:** Slight irritation might happen

**Symptoms/Injuries After Eye Contact:** Irritation might happen

**Symptoms/Injuries After Ingestion:** Gastro intestinal irritation might happen

**Chronic Symptoms:** No data available

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

# S-599 Premium Commercial Sheet Flooring Adhesive

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** None required. Product is a water based material. Product will burn in a dry state. If needed use foam, dry powder, carbon dioxide, water spray, sand.

**Unsuitable Extinguishing Media:** Do not use heavy water stream.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** None

**Explosion Hazard:** None

**Reactivity:** Not reactive

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Product is water based material. Will not ignite in the presence of fire. Product will burn on a dry state.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid fire-fighting water to enter environment.

**Protection During Firefighting:** For fires in enclosed areas, wear self-contained breathing apparatus. Do not inhale combustion gases.

**Other Information:**

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Always wear chemical resistant gloves, safety glasses, apron and boots if necessary to prevent contact.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Always wear chemical resistant gloves, safety glasses, apron and boots if necessary to prevent contact.

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Always wear chemical resistant gloves, safety glasses, apron and boots if necessary to prevent contact.

**Emergency Procedures:** Ventilate the area

### 6.2. Environmental Precautions

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**Methods for Cleaning Up:** Remove material and scrape residue from the area and contain in approved containers for proper disposal.

### 6.4. Reference to Other Sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Avoid contact with eyes. Avoid repeated contact with skin. Avoid breathing of vapors, if any.

**Hygiene Measures:** Always wash skin after contact. Wash clothing before re-use.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Product is stable

**Storage Conditions:** Store adhesives in a well ventilated area.

**Incompatible Products:** strong bases and strong acids.

**Storage Temperature:** 65 degrees F – 95 degrees F

### 7.3. Specific End Use(s) Adhesive for the installation of vinyl backed flooring.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

### 8.2. Exposure Controls

**Appropriate Engineering Controls** : Use local exhaust. Do not use closed air-circulating. Open windows and doors if necessary.

**Personal Protective Equipment** : Avoid all unnecessary exposure

**Materials for Protective Clothing** : Non porous material

**Hand Protection** : Wear chemical resistant gloves

**Eye Protection** : Chemical goggles or safety glasses

**Skin and Body Protection** : Use clothing to prevent skin and body contact

**Respiratory Protection** : Not necessary. NIOSH respirator if needed

**Environmental Exposure Controls** : None needed

**Consumer Exposure Controls** : Maintain proper ventilation, use protective equipment.

# S-599 Premium Commercial Sheet Flooring Adhesive

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Viscous liquid material
Appearance	: Light yellow paste
Odor	: mild
Odor Threshold	: no data available
pH	: 9 – 9.5
Evaporation Rate	: low
Melting Point	: not applicable
Freezing Point	: relatively same as water
Boiling Point	: relatively same as water
Flash Point	: none
Auto-ignition Temperature	: not applicable
Decomposition Temperature	: not known
Flammability (solid, gas)	: not flammable but will burn in dry state
Vapor Pressure	: Same as water
Relative Vapor Density at 20 °C	: Same as water
Relative Density	: 7.75 – 8.25 lbs per gallon
Specific Gravity	: 0.93 – 0.99 g/cc
Specific gravity / density	: 0.96 g/cc , 8.0 lbs per gallon
Solubility	: Miscible in water
Partition Coefficient: N-Octanol/Water	: Data not available
Viscosity	: 50,000 – 62500 cps
Lower Flammable Limit	: Not applicable
Upper Flammable Limit	: Not applicable

### 9.2. Other Information

VOC content : : 14 g/L

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** stable
- 10.2. **Chemical Stability:** stable
- 10.3. **Possibility of Hazardous Reactions:** none
- 10.4. **Conditions to Avoid:** extreme temperature conditions. Keep from freezing.
- 10.5. **Incompatible Materials:** strong acids and bases
- 10.6. **Hazardous Decomposition Products:** oxides of carbon and other unknown organic compound structures.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

- Acute Toxicity:** not known
- Skin Corrosion/Irritation:** not classified, pH
- Serious Eye Damage/Irritation:** not classified, pH
- Respiratory or Skin Sensitization:** not classified
- Germ Cell Mutagenicity:** not considered as mutagen
- Carcinogenicity:** not considered as carcinogen
- Reproductive Toxicity:** not considered as reproductive toxin
- Specific Target Organ Toxicity (Single Exposure):** none
- Specific Target Organ Toxicity (Repeated Exposure):** none
- Aspiration Hazard:** none if product is handled / used where it is intended.
- Symptoms/Injuries After Inhalation:** might cause headache, nausea
- Symptoms/Injuries After Skin Contact:** might cause slight irritation
- Symptoms/Injuries After Eye Contact:** might cause irritation
- Symptoms/Injuries After Ingestion:** might cause gastro intestinal disorders

# S-599 Premium Commercial Sheet Flooring Adhesive

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Chronic Symptoms:** none known

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity:** No data available. Prevent entry into waterways

**12.2. Persistence and Degradability:** Material is organic

<b>Persistence and Degradability</b>	
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**12.3. Bioaccumulative Potential**

No data available

**12.4. Mobility in Soil**

Not applicable - Material is viscous liquid material (soft solid)

**12.5. Other Adverse Effects**

not known

**Other Information** :

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

**Sewage Disposal Recommendations:** Avoid release to the environment

**Waste Disposal Recommendations:** Dispose in a safe manner in accordance to local/ national regulations. Dispose contents to approved DOT containers.

**Additional Information:**

## SECTION 14: TRANSPORT INFORMATION

**14.1. In Accordance with DOT**

**Proper Shipping Name** : Not regulated

**Hazard Class** :

**Identification Number** :

**Label Codes** :

**Packing Group** :

**ERG Number** :

**14.2. In Accordance with IMDG** (not transported via waterways )

**Proper Shipping Name** : IMDG Applicability Not Determined as this material is not currently shipped via ocean vessel

**Hazard Class** :

**Identification Number** :

**Packing Group** :

**Label Codes** :

**EmS-No. (Fire)** :

**EmS-No. (Spillage)** :

**MFAG Number** :

**14.3. In Accordance with IATA** (not transported via air)

**Proper Shipping Name** : IATA Applicability Not Determined as this material is not currently shipped via aircraft

**Packing Group** :

**Identification Number** :

**Hazard Class** :

**Label Codes** :

**ERG Code (IATA)** :

## SECTION 15: REGULATORY INFORMATION

**15.1 US Federal Regulations**

All Components of this product are either listed or exempt in the EPA TSCA list

EPA SARA Title III Section 313: None

SARA Title III Section 312 Hazard Class: None

OSHA Hazard Communication Standard (29 CFR1910.1200) Hazard Class(es): None

CA Proposition 65 This product contain trace chemical(s) known to the state of CA to cause cancer and / or reproductive harm.

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Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : April 2015

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases:**


*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)