SECTION 1. IDENTIFICATION

Product name : ARMSTRONG S-1000 Premium Adhesive

Manufacturer or supplier’s details

Company name of supplier : Armstrong Flooring, Inc.
Address : 2500 Columbia Ave
Lancaster PA 17603
Telephone : (800) 233-3823
Emergency telephone number : (800) 255-3924

SECTION 2. HAZARDS IDENTIFICATION


Classification of the Product:
No need for classification according to GHS criteria for this product.

Label Elements:
This product does not require a hazard warning label in accordance with GHS criteria.

Hazards Not Otherwise Classified:
None known if used according to instructions.
Irritation may occur when in contact with eyes and skin.

Labeling of Special Preparations (GHS): None required According to Regulation 1994 OSHA

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain any components classified as hazardous under the referenced regulation.

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Content</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret</td>
<td>35-55</td>
<td>Silylated Polyurethane Resin</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>1-5</td>
<td>Plasticizer</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>30-40</td>
<td>Calcium carbonate</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>1-5</td>
<td>Additives</td>
</tr>
<tr>
<td>25322-69-4</td>
<td>10-20</td>
<td>Polypropylene glycol</td>
</tr>
</tbody>
</table>
SECTION 4. FIRST AID MEASURES

General Advice: Upon contact, remove material from skin, eyes and clothing. If irritation persists, seek medical attention.

If Inhaled: Remove individual to fresh air if needed.
If on Skin: Wash with mild soap and water.
If in Eyes: Open eyelids and flush with running water for at least 15 minutes.
If Swallowed: Do not induce vomiting. Seek medical help immediately.

Most Important Symptoms and Effects, Both Acute and Delayed: None expected due to non-classification of the product.

Indication of Any Immediate Medical Attention and Special Treatment Needed: Note to physician - Symptomatic Treatment

SECTION 5. FIREFIGHTING MEASURES

Extinguishing Media:
Use water spray, foam, dry powder when needed. Special

Hazards Arising from the Substance or Mixture:
Material is a mixture of organic compounds. Compounds of carbon may arise during burning.

Advice for fire-fighters:
Wear self-contained breathing apparatus and turn out gear. Use water to keep the containers cool.

Further Information:
Dispose debris and contaminated clothing in accordance with regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Further Accidental Release Measures:
Slip hazard when spilled.

Methods and Material for Containment and Cleaning Up:
Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations. Spills should be contained, solidified, and placed in suitable containers for disposal.

Personal Precautions Protective Equipment and Emergency Procedures:
Use personal protective clothing. Avoid contact with skin and eyes.

Environmental Precautions:
Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE
Precautions for Safe Handling:
Do not puncture. Keep out of the reach of children.
Conditions for Safe Storage, Including any Incompatibilities
Keep from freezing. Avoid extreme temperatures.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Advice on System Design: Maintain proper ventilation.

Personal Protective Equipment:
Respiratory Protection: NIOSH respirator if needed. Use local exhaust ventilation. Do not use closed air-circulating system.
Skin Protection: Chemical resistant gloves, apron, coveralls, and boots to prevent unnecessary contact.
Eye Protection: Safety glasses, goggles, or face shield

General Safety and Hygiene Safety Measures:
Wash hands and/or face after use. Launder contaminated clothing before re-use. Always use protective equipment to avoid direct contact.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Low viscosity liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data</td>
</tr>
<tr>
<td>Color</td>
<td>Off white</td>
</tr>
<tr>
<td>pH Value</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No data</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non flammable</td>
</tr>
<tr>
<td>Lower Explosion Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper Explosion Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Low</td>
</tr>
<tr>
<td>Density</td>
<td>8.40 – 8.70 lbs. per gallon</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.01 – 1.04 grams/cm³</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Low</td>
</tr>
<tr>
<td>Partition Coefficient n-octanol/water (log Pow)</td>
<td>No data</td>
</tr>
<tr>
<td>Self-Ignition Temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Miscibility in Water</td>
<td>Not miscible</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Low</td>
</tr>
</tbody>
</table>
| Other Information                            | Moisture cure product. Product will start curing in the presence of moisture.
**SAFETY DATA SHEET**

**ARMSTRONG S-1000 ADHESIVE**

**SECTION 10. STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable</td>
</tr>
<tr>
<td>Possibility of Hazardous Reactions</td>
<td>None, product is stable</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Extreme temperatures</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Water</td>
</tr>
<tr>
<td></td>
<td>Product is a moisture curing material</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>None known</td>
</tr>
</tbody>
</table>

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Primary routes of exposure:**
Respiratory, eyes, skin. Ingestion is not likely but might cause gastric disturbances.

**Acute Toxicity/Effects:**
Acute toxicity: May cause irritation upon contact.

**Chronic Toxicity/Effects:**
Repeated Dose Toxicity: No data available
Genetic Toxicity: No data available
Carcinogenicity: Not carcinogenic
Reproductive Toxicity: No data available
Teratogenicity: No data available
Experiences in Humans: No data available

**Other information:** NA
SAFETY DATA SHEET

ARMSTRONG S-1000 ADHESIVE

SECTION 12. ECOLOGICAL INFORMATION

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

No data available

SECTION 14. TRANSPORT INFORMATION

Proper Shipping Name: Not applicable
Proper Hazard Class: Not hazardous
Hazard Code: None hazardous
Bill of Lading Description: Adhesives, NOI

SECTION 15. REGULATORY INFORMATION

TSCA

Chemicals contained in the product are either listed or exempt in the U.S. EPA TSCA inventory list.

SARA Title III, Section 312 Hazard Class

None

EPA SARA TITLE III, Section 312

None
SECTION 16. OTHER INFORMATION

Further information

NFPA Hazard Codes
Health: 1
Fire: 0
Reactivity: 0
Special:

HMIS Rating
Health: 1
Flammability: 0
Physical Hazard: 0

SDS prepared by: Armstrong Flooring, Inc.
SDS prepared on: April 6, 2019

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