

### ARMSTRONG FLIP® SPRAY ADHESIVE

Version 2.1      Revision Date: 03/01/2021      MSDS Number: F000001746      Date of last issue: 04/25/2017  
Date of first issue: 05/20/2015

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#### SECTION 1. IDENTIFICATION

Product name : ARMSTRONG FLIP® SPRAY ADHESIVE

Product code : FPS-SPR601

##### Manufacturer or supplier's details

Company name of supplier : Armstrong Flooring, Inc.

Address : 2500 Columbia Avenue  
Lancaster, PA 17603

Telephone : (800) 233-3823

Website : [www.floorexpert.com](http://www.floorexpert.com)

Emergency telephone number : (CHEM-TEL: 1-800-255-3924 or +01-813-248-0585 (call collect))

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#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Not a hazardous substance or mixture.

##### GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H229 Pressurized canister; may burst if heated.

Precautionary statements : **Prevention:**  
P235 + P410 Keep cool. Protect from sunlight.  
P412 Do not expose to temperatures exceeding 122°  
P210 Keep away from heat.  
P102 Keep out of reach of children  
P103 Read label before use.

##### Other hazards

None known.

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#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

##### Hazardous components

No hazardous ingredients

This adhesive contains 0 g/L VOC (Volatile Organic Compounds).

If inhaled : Move to fresh air in case of accidental inhalation of vapours.

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- Oxygen or artificial respiration if needed.  
Call a physician or poison control centre immediately.
- In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
If symptoms persist, call a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Keep eye wide open while rinsing.  
Seek medical advice.
- If swallowed : Do not induce vomiting without medical advice.  
If conscious, drink plenty of water.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : None known.
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#### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry powder  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Water mist
- Specific hazards during fire-fighting : Burning produces irritant fumes.  
Exposure to decomposition products may be a hazard to health.  
Cool closed containers exposed to fire with water spray.  
Do not allow run-off from fire fighting to enter drains or water courses.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use a water spray to cool fully closed containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.  
Exposure to decomposition products may be a hazard to health.
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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Material can create slippery conditions.  
Use non-slip safety shoes in areas where spills or leaks can occur.
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- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Do not let product enter drains.  
Do not allow contact with soil, surface or ground water.  
Do not allow uncontrolled discharge of product into the environment.
- Methods and materials for containment and cleaning up : Dam up.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Sweep up and shovel.  
Pick up and transfer to properly labelled containers.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.
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#### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : The product is not flammable. Keep away from heat and sources of ignition.
- Advice on safe handling : Wear personal protective equipment.  
Handle with care.  
Take care to avoid waste and spillage when weighing, loading and mixing the product.
- Conditions for safe storage : No smoking.  
Keep in properly labelled containers.  
Observe label precautions.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Store between 18 and 35 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
- Materials to avoid : Do not freeze.  
Keep away from food and drink.  
Keep away from tobacco products.
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#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : Handle only in a place equipped with local exhaust (or other appropriate exhaust).  
Maintain air concentrations below occupational exposure standards.

##### Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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	Use NIOSH approved respiratory protection.
Hand protection Material	: Impervious gloves
Eye protection	: Safety glasses with side-shields Tightly fitting safety goggles Face-shield
Skin and body protection	: Chemical resistant apron Footwear protecting against chemicals Skin should be washed after contact. Change working clothes after each workshift.
Protective measures	: Avoid contact with skin. When using do not eat, drink or smoke. Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures	: Do not smoke. Keep away from food and drink. Avoid contact with skin, eyes and clothing. Change working clothes after each workshift. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: aerosol
Colour	: white
Odour	: slight
pH	: No data available
Melting point/range	: No data available
Boiling point/boiling range	: 212 °F
Flash point	: > 212 °F
Evaporation rate	: see user defined free text
Vapour pressure	: No data available
Relative vapour density	: see user defined free text
Bulk density	: 8.3 lb/gal

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Solubility(ies)  
Water solubility : Dispersible  
Solubility in other solvents : Not applicable  
Partition coefficient: n-octanol/water : No data available  
Explosive properties : Not applicable

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#### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable  
Possibility of hazardous reactions : Stable under recommended storage conditions.  
Conditions to avoid : Protect from frost, heat and sunlight.  
Incompatible materials : No data available  
Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

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#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

###### Product:

Acute oral toxicity : Remarks: No data available  
Acute inhalation toxicity : LC50 (Rat): 1,500 g/m<sup>3</sup>  
Exposure time: 4.0 h  
The value is given in analogy to the following substances:

##### Skin corrosion/irritation

###### Product:

Remarks: May irritate skin.  
May cause skin irritation and/or dermatitis.

##### Serious eye damage/eye irritation

###### Product:

Remarks: May irritate eyes.

##### Carcinogenicity

###### IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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#### SECTION 12. ECOLOGICAL INFORMATION

##### Ecotoxicity

###### Product:

Toxicity to fish	:	Remarks: May cause long-term adverse effects in the aquatic environment.
Toxicity to daphnia and other aquatic invertebrates	:	Remarks: May cause long-term adverse effects in the aquatic environment.
Toxicity to algae	:	Remarks: May cause long-term adverse effects in the aquatic environment.

##### Persistence and degradability

No data available

##### Bioaccumulative potential

No data available

##### Mobility in soil

No data available

##### Other adverse effects

No data available

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#### SECTION 13. DISPOSAL CONSIDERATIONS

##### Disposal methods

Waste from residues	:	Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Can be landfilled or incinerated, when in compliance with local regulations.
Contaminated packaging	:	Clean container with water. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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#### SECTION 14. TRANSPORT INFORMATION

##### International Regulation

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#### IATA-DGR

UN/ID No. : UN 1950  
Proper shipping name : Aerosols, non-flammable  
Class : 2.2  
Packing group : Not assigned by regulation  
Labels : Non-flammable, non-toxic Gas  
Packing instruction (cargo aircraft) : 203  
Packing instruction (passenger aircraft) : 203

#### IMDG-Code

UN number : UN 1950  
Proper shipping name : AEROSOLS  
  
Class : 2.2  
Packing group : Not assigned by regulation  
Labels : 2.2  
EmS Code : F-D, S-U  
Marine pollutant : no

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

##### 49 CFR

UN/ID/NA number : UN 1950  
Proper shipping name : AEROSOLS  
  
Class : 2.2  
Packing group : Not assigned by regulation  
Labels : NON-FLAMMABLE GAS  
ERG Code : 126  
Marine pollutant : no

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#### SECTION 15. REGULATORY INFORMATION

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**TSCA** All components of this product appear on the Inventory of Chemical Substances published by the U.S. Environmental Protection Agency (EPA) under the authority of the Toxic Substances Control Act (TSCA).

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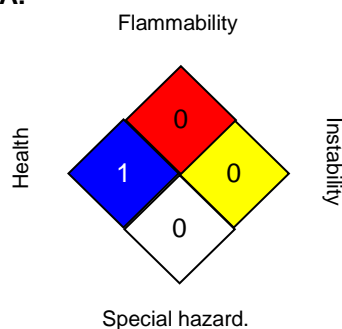
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#### SECTION 16. OTHER INFORMATION

##### Further information

###### NFPA:



###### HMIS III:

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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