

## Section 1 - Product and Company Identification

|                            |  |
|----------------------------|--|
| <b>Material Name</b>       | - <b>AP-1 Heavy Duty Construction Adhesive/Sealant</b>                       |
| <b>Chemical Category</b>   | - Mixture  |
| <b>Product Code</b>        | - AP-1000-7-61   |
| <b>Product Description</b> | - Grey Flexible Sealant  |
| <b>Product Use</b>         | - Construction Adhesive/Sealant  |
| <b>Manufacturer</b>        | - Gardner Gibson<br>- 4161 E. 7th Avenue<br>Tampa, FL 33605<br>United States |
| <b>Telephone</b>           |  |
| <b>General/Technical</b>   | - 813-248-2101 – Customer Service: 8AM – 5 PM M-F Eastern Standard Time      |
| <b>Emergency</b>           | - 800-424-9300 - CHEMTREC  |
| <b>Last Revision Date</b>  | - 5/17/2018  |

## Section 2 - Hazards Identification

### GHS HAZARDS AND PRECAUTIONS

#### SIGNAL WORD: WARNING!

*Uncured product causes serious eye irritation. May cause an allergic skin reaction. May be harmful or fatal if ingested. Ingestions may cause Gastric Disturbances. Avoid breathing vapor and use with adequate ventilation. May be harmful if inhaled. Wash hands, forearms, and other exposed areas thoroughly after handling. Wear eye protection, protective clothing, and protective gloves. Hazardous Ingredients are encapsulated in product and not expected to be an exposure issue under normal recommended use.*

|                         |  |
|-------------------------|--|
| <b>Prevention</b>       | Avoid breathing vapors, getting in eyes or on bare skin. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Keep out of reach of children.   |
| <b>Response</b>         | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| <b>Storage/Disposal</b> | Store in a closed container. Store in a well-ventilated place. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.   |



|                       |  |
|-----------------------|--|
| <b>Physical Form</b>  | - Paste Consistency  |
| <b>Color</b>          | - Grey/White   |
| <b>Odor</b>           | - Aromatic.  |
| <b>Flash Point</b>    | - N/A – Not Flammable  |
| <b>OSHA(HCS2012)</b>  | - Skin Sensitization- Category 1, Serious Eye Damage, Eye Irritation - Category 1, Carcinogenicity - Category 2, Acute Toxicity – Inhalation 3 |
| <b>Route Of Entry</b> | - Inhalation, Skin, Eye, Ingestion/Oral  |

## Potential Health Effects

### Inhalation

**Acute (Immediate)** - May cause irritation. Excessive breathing of high vapor concentration can cause respiratory tract irritation .

**Chronic (Delayed)** - Refer to other information found in Section 11-Toxicology.

### Skin

**Acute (Immediate)** - May cause irritation.

**Chronic (Delayed)** - Repeated and prolonged exposure may cause dermatitis.

### Eye

**Acute (Immediate)** - May cause serious irritation.(Uncured product)

**Chronic (Delayed)** - Repeated and prolonged exposure may cause irritation.

### Ingestion

**Acute (Immediate)** - Harmful or if Swallowed. May cause nausea. Not likely exposure route

**Chronic (Delayed)** - Repeated and prolonged exposure may be harmful.

### Carcinogenic Effects

- This product or one of its ingredients present at 0.1% or more is listed as a carcinogen by NTP, IARC or OSHA. See Section 11 - Toxicological Information for more details.

## Section 3 - Composition/Information on Ingredients

| Composition                                  |                 |            |  |          |
|--|-----------------|------------|--|----------|
| Chemical Name                                | Identifiers     | %          | Classifications According to Regulation/Directive                          | Comments |
| Polyurethane Resin                           | CAS: Mixture    | 25% TO 50% | GHS: Not Classified – Not Required   | NDA      |
| Calcium Carbonate                            | CAS:471-34-1    | 20% TO 40% | GHS: Not Classified – Not Required   | NDA      |
| Di-isononylphthalate                         | CAS:28553-12-0  | 5% TO 20%  | GHS: Not Classified – Not Required   | NDA      |
| Vinyltrimethoxysilane                        | CAS:2768-02-7   | 0.1% TO 5% | GHS: ; Flam. Liq. 3; Acute Tox. Inhal 4                                    | NDA      |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | CAS:1760-24-3   | 0.1 TO 5%  | GHS: Skin Sens. 1; Serious Eye Irrit./dam 1; Acute Tox. Inh 4; Resp Sens 1 | NDA      |
| Amorphous Silica                             | CAS:112945-52-5 | 1% TO 10%  | GHS: Not Classified – Not Required   | NDA      |
| Titanium Dioxide                             | CAS:64742-48-9  | 5% TO 10%  | GHS: Asp. Tox. 1; Carc. 1B   | NDA      |

**This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous dry particulates.**

See Section 11 for Toxicological Information.

## Section 4 - First Aid Measures

### Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. Get medical attention immediately.

### Skin

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

- Ingestion**
- Call a physician or poison control center immediately. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person.

See Section 2 for Potential Health Effects.

## Section 5 - Fire Fighting Measures

- Extinguishing Media**
- Use CO<sub>2</sub>, dry chemical, or foam.
- Unsuitable Extinguishing Media**
- Do not use direct stream of water.
- Firefighting Procedures**
- Fight advanced or massive fires from safe distance or protected location. Avoid water in a straight hose stream as the stream will cause splatter and spread fire.
- Unusual Fire and Explosion Hazards**
- May release irritating or toxic gases, fumes, or vapors.
- Hazardous Combustion Products**
- Carbon monoxide, carbon dioxide, hydrocarbons.
- Protection of Firefighters**
- Firefighters should wear self-contained breathing apparatus and full protective gear.
- Flash Point**
- N/A – Product not Flammable
- Explosion (Flammable) Limits**
- Upper**
- N/A
- Lower**
- N/A

## Section 6 - Accidental Release Measures

- Personal Precautions**
- Do not handle damaged containers or spilled material unless wearing appropriate protective clothing. Stay upwind. Ventilate the area before entry.
- Emergency Procedures**
- Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Keep unauthorized personnel away.
- Environmental Precautions**
- Prevent entry into waterways, sewers, basements or confined areas.
- Containment/Clean-up Measures**
- Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Use appropriate Personal Protective Equipment (PPE).
- Prohibited Materials**
- Avoid contact with strong oxidizing agents and acids.

## Section 7 - Handling and Storage

- Handling**
- KEEP OUT OF THE REACH OF CHILDREN! Use only with adequate ventilation.
- Storage**
- Store in a well-ventilated place. Keep container tightly closed.
- Special Packaging Materials**
- No data available
- Incompatible Materials or Ignition Sources**
- Avoid contact with strong oxidizing agents and acids.

## Section 8 - Exposure Controls/Personal Protection

### Personal Protective Equipment Pictograms



- Respiratory**
- In case of insufficient ventilation, wear suitable respiratory equipment. If listed exposure limits are expected to be exceeded, use approved respiratory protection suitable for the hazard. When used with adequate ventilation, a respirator is not normally required. If required, use a NIOSH-approved air purifying respirator with

- organic vapor cartridge or supplied air respirator.
- Eye/Face** - Wear ANSI approved safety glasses with side shields or safety goggles.
- Hands** - Wear chemical protective gloves made of Nitrile or Neoprene.
- Skin/Body** - Wear clothing that covers the skin to prevent skin exposure.
- General Industrial Hygiene Considerations** - Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. When using do not smoke, eat, or drink.
- Engineering Measures/Controls** - Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Use precaution to protect building intake from fumes and vapors created outdoors.

| Exposure Limits/Guidelines |        |  |       |                            |
|----------------------------|--------|--|-------|----------------------------|
|                            | Result | OSHA   | NIOSH | United States - California |
| Calcium Carbonate          | TWAs   | 5 mg/m3 TWA Respirable Dust<br>15 mg/m3 TWA Total Dust |       |                            |
| Silicon Dioxide            | TWAs   | 0.8 mg/m3 (80% SiO2) (Z3)                              |       |                            |
| Titanium Dioxide           | TWA    | 10 mg/m3 (Inhalable Dust)                              |       |                            |

**Key to abbreviations**

PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

## Section 9 - Physical and Chemical Properties

|   |                   |                                  |                    |
|---|-------------------|----------------------------------|--------------------|
| <b>Physical Form:</b>                     | Paste             | <b>Appearance/Description:</b>   | Gray Paste / Caulk |
| <b>Color:</b>                             | Grey              | <b>Odor:</b>                     | Aromatic.          |
| <b>Odor Threshold:</b>                    | N/A               | <b>Boiling Point:</b>            | N/A                |
| <b>Heat of Decomposition:</b>             | N/A               | <b>pH:</b>                       | Not relevant       |
| <b>Specific Gravity/Relative Density:</b> | = 1.125 Water=1   | <b>Density:</b>                  | ~ 9.4 lbs./gal     |
| <b>Bulk Density:</b>                      | N/A               | <b>Water Solubility:</b>         | Non-Soluble        |
| <b>Solvent Solubility:</b>                | N/A               | <b>Viscosity:</b>                |                    |
| <b>Vapor Pressure:</b>                    | N/A               | <b>Vapor Density:</b>            | N/A                |
| <b>Evaporation Rate:</b>                  | Slower than Ether | <b>VOC (g/l):</b>                | <20 g/L            |
| <b>VOC (Vol.):</b>                        |                   | <b>Volatiles (Wt.):</b>          | NDA                |
| <b>Volatiles (Vol.):</b>                  | No data available | <b>Flash Point:</b>              | N/A                |
| <b>Flash Point Test Type:</b>             | CC (Closed Cup)   | <b>UEL:</b>                      | N/A                |
| <b>LEL:</b>                               | N/A               | <b>Heat of Combustion (ΔHc):</b> | Not relevant       |

## Section 10 - Stability and Reactivity

- Stability** - Stable under normal temperatures and pressures.
- Hazardous Polymerization** - Hazardous polymerization not indicated.
- Conditions to Avoid** - Avoid contact with strong oxidizing agents and flame.
- Incompatible Materials** - No Data Available
- Hazardous Decomposition Products** - No Data Available

## Section 11 - Toxicological Information

| Component Name                               | Concentration | CAS       | Data  |
|--|---------------|-----------|---|
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | 0.1-5%        | 1760-24-3 | Acute Toxicity: Inhalation-Rat LC50 • 2.44 mg/l, Dermal Rabbit LD50 -2000 mg/kg.    |
| Vinyltrimethoxysilane                        | 0.1-5%        | 2768-02-7 | Acute Toxicity: Inhalation/ -Rat LC50 • 2773 ppm: Ingestion/Oral-Rat LD50 7460mg/kg |

| Component Name       | Concentration | CAS         | Data  |
|----------------------|---------------|-------------|---|
| Calcium Carbonate    | 20-40%        | 471-34-1    | Acute Toxicity • 6450mg/kg, Oral-Rat LD50   |
| Di-isononylphthalate | 5-20%         | 28553-12-0  | Acute Toxicity: Inhalation/ -Rat LC50 • >4.4 ppm(4hr): Ingestion/Oral-Rat LD50 >10000mg/kg) |
| Silicon Dioxide      | 1-10%         | 112945-52-5 | Acute Oral Toxicity: LD50 Rat:>3300 mg/kg no death reported.                                |

## Section 12 - Ecological Information

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Ecological Fate</b>           | - No additional data for mixture. |
| <b>Persistence/Degradability</b> | - No additional data for mixture. |
| <b>Bioaccumulation Potential</b> | - No additional data for mixture. |
| <b>Mobility in Soil</b>          | - No additional data for mixture. |

| Components                                   |            |   |
|--|------------|---|
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1760-24-3  | <b>Aquatic Toxicity-Aquatic Inverts Water flea:</b> 48 Hour(s) Acute EC50 -87.4 Freshwater<br><b>Aquatic Toxicity-Algae and Other Aquatic Plant(s):</b> Acute IC50 -30.7 mg/l Freshwater                                  |
| Vinyltrimethoxysilane                        | 2768-02-7  | <b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Fish Brachydanio rerio</i> >100 mg/l<br><b>Aquatic Toxicity-Algae and Other Aquatic Plant(s):</b> 72 hrs - Acute EC50 -100 mg/l Freshwater                               |
| Calcium Carbonate                            | 471-34-1   | <b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Fish Gambusia affinis-Adult</i> >56000 ppm   |
| Di-isononylphthalate                         | 28553-12-0 | <b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Fish Brachydanio rerio</i> - >102ppm<br><b>Aquatic Toxicity-Algae and Other Aquatic Plant(s):</b> Acute EC50/ 72 hrs ->88 mg/l <i>Scenedesmus subspicatus</i> Freshwater |

## Section 13 - Disposal Considerations

|                |   |
|----------------|---|
| <b>Product</b> | - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. |
|----------------|---|

## Section 14 - Transportation Information

|                 | UN number                    | UN proper shipping name | Transport hazard class(es) | Packing group | Environmental hazards |
|-----------------|------------------------------|-------------------------|----------------------------|---------------|-----------------------|
| DOT             | N/A                          | Not Regulated           | N/A                        | N/A           | N/A                   |
| TDG             | N/A                          | Not Regulated           | N/A                        | N/A           | N/A                   |
| IMO/IMDG        | N/A                          | Not Regulated           | N/A                        | N/A           | N/A                   |
| IATA/ICAO       | N/A                          | Not Regulated           | N/A                        | N/A           | N/A                   |
| <b>Add Info</b> | No additional data available |                         |                            |               |                       |

## Section 15 - Regulatory Information

|                                    |   |
|------------------------------------|---|
| <b>SARA Hazard Classifications</b> | - Acute, Chronic  |
| <b>Risk &amp; Safety Phrases</b>   | - California PROP 65: WARNING This product may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm. |

| State Right To Know                          |             |    |    |    |     |
|--|-------------|----|----|----|-----|
| Component                                    | CAS         | MA | MN | NJ | PA  |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1760-24-3   |    |    |    |     |
| Vinyltrimethoxysilane                        | 2768-02-7   |    |    |    |     |
| Calcium Carbonate                            | 471-34-1    | No |    | No | No  |
| Di-isononylphthalate                         | 28553-12-0  |    |    |    | Yes |
| Silicon Dioxide                              | 112945-52-5 |    |    |    |     |
| Polyurethane Resin                           | Mixture     |    |    |    |     |

| Inventory – Listed or Exempt                 |             |      |
|--|-------------|------|
| Component                                    | CAS         | TSCA |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1760-24-3   | Yes  |
| Vinyltrimethoxysilane                        | 2768-02-7   | Yes  |
| Calcium Carbonate                            | 471-34-1    | Yes  |
| Di-isononylphthalate                         | 28553-12-0  | Yes  |
| Silicon Dioxide                              | 112945-52-5 | Yes  |
| Polyurethane Resin                           | Mixture     | Yes  |
| Titanium Dioxide                             | 64742-48-9  | Yes  |

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

|  |             |            |
|--|-------------|------------|
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1760-24-3   | Not Listed |
| Vinyltrimethoxysilane                        | 2768-02-7   | Not Listed |
| Calcium Carbonate                            | 471-34-1    | Not Listed |
| Di-isononylphthalate                         | 28553-12-0  | Not Listed |
| Silicon Dioxide                              | 112945-52-5 | Not Listed |
| Polyurethane Resin                           | Mixture     | Not Listed |
| Titanium Dioxide                             | 64742-48-9  | Not Listed |

## Section 16 - Other Information

- Last Revision Date** - 5/17/2018
- Prepared By** - GG Inc.
- Disclaimer/Statement of Liability** - This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to verify the suitability and completeness of such information for particular use. The manufacturer does not accept liability for any loss or damage that may occur from the use of this information.