

|   |                            |  |
|---|----------------------------|--|
|    | <h1>Safety Data Sheet</h1> | <p><b>24 Hour Emergency Phone Numbers</b><br/> <b>Medical/Poison Control:</b><br/> <b>In U.S.: Call 1-800-222-1222</b></p> <p><b>Outside U.S.: Call your local poison control center</b></p> <p><b>Transportation/National Response Center:</b></p> <p style="text-align: center;"><b>1-800-535-5053</b><br/> <b>1-352-323-3500</b></p> <p>NOTE: The National ResponseCenter emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.</p> |
| <p><b>IMPORTANT:</b> Provide this information to employees, customers, and users of this product. Read this SDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard. All abbreviated terms used in this SDS are further described in Section 16.</p> |                            |  |

## 1. Identification

|                            |   |                           |                                      |
|----------------------------|---|---------------------------|--------------------------------------|
| <b>Product Name:</b>       | Plastic Resin Glue  | <b>Revision Date:</b>     | 4/12/2022                            |
| <b>Product UPC Number:</b> | 070798002081  | <b>Supercedes Date:</b>   | 3/8/2017                             |
| <b>Manufactured For</b>    | DAP Global Inc.<br>2400 Boston Street Suite 200<br>Baltimore, MD 21224-4723<br>888-327-8477 (non - emergency matters) | <b>Product Use/Class:</b> | Adhesive                             |
|                            | SDS Coordinator: MSDS@dap.com   | <b>SDS No:</b>            | 1164304                              |
|                            | Emergency Telephone: 1-800-535-5053,<br>1-352-323-3500, 1-800-222-1222  | <b>Preparer:</b>          | Regulatory and Environmental Affairs |

## 2. Hazards Identification

**EMERGENCY OVERVIEW:** WARNING! May cause eye, skin and respiratory tract irritation. Product dust may be irritating to eyes, skin and respiratory system. Skin sensitizer. May be harmful by inhalation, ingestion, skin adsorption. May cause sensitization of susceptible persons by skin contact or by inhalation of dust.

### GHS Classification

Acute Tox. 2 Inhalation, Carc. 1B, Eye Irrit. 2, Muta. 2, Skin Irrit. 2, Skin Sens. 1

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

5% of the mixture consists of ingredients of unknown acute toxicity

### GHS HAZARD STATEMENTS

|  |      |                                       |
|--|------|---------------------------------------|
| Skin Irritation, category 2            | H315 | Causes skin irritation.               |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction.  |
| Eye Irritation, category 2             | H319 | Causes serious eye irritation.        |
| Acute Toxicity, Inhalation, category 2 | H330 | Fatal if inhaled.                     |
| Germ Cell Mutagenicity, category 2     | H341 | Suspected of causing genetic defects. |
| Carcinogenicity, category 1B           | H350 | May cause cancer.                     |

**GHS LABEL PRECAUTIONARY STATEMENTS**

|                |  |
|----------------|--|
| P201           | Obtain special instructions before use.  |
| P260           | Do not breathe dust/fume/gas/mist/vapours/spray.   |
| P264           | Wash thoroughly after handling.  |
| P271           | Use only outdoors or in a well-ventilated area.  |
| P272           | Contaminated work clothing should not be allowed out of the workplace.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P284           | [In case of inadequate ventilation] wear respiratory protection.   |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| P310           | Immediately call a POISON CENTER or doctor/physician.  |
| P320           | Specific treatment is urgent (see ... on this label).  |
| P321           | Specific treatment (see ... on this label).  |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P362           | Take off contaminated clothing.  |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container.   |

**GHS SDS PRECAUTIONARY STATEMENTS**

|      |  |
|------|--|
| P363 | Wash contaminated clothing before reuse. |
|------|--|

**3. Composition/Information on Ingredients**

| <u>Chemical Name</u>      | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u>      | <u>GHS Statements</u>        |
|---------------------------|----------------|--------------|-------------------------|------------------------------|
| Urea-formaldehyde polymer | 9011-05-6      | 80-100       | GHS06-GHS07             | H315-319-330                 |
| Barium sulfate            | 7727-43-7      | 1-5          | GHS07                   | H312                         |
| Tri Calcium Phosphate     | 1306-06-5      | 1-5          | No Information          | No Information               |
| Formaldehyde              | 50-00-0        | 1-5          | GHS05-GHS06-GHS07-GHS08 | H301-314-317-331-335-341-350 |
| Ammonium sulfate          | 7783-20-2      | 1-5          | GHS07                   | H312                         |

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

**4. First-aid Measures**

**FIRST AID - INHALATION:** If inhaled, remove to fresh air. If breathing is difficult, leave the area to obtain fresh air. If continued breathing difficulty is experienced, get medical attention immediately.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist. Remove and wash contaminated clothing.

**FIRST AID - EYE CONTACT:** In case of contact, immediately flush eyes with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention immediately.

**FIRST AID - INGESTION:** If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

**5. Fire-fighting Measures**

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Possible dust explosion if dispersed in air in large quantities.

**SPECIAL FIREFIGHTING PROCEDURES:** Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

**EXTINGUISHING MEDIA:** Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Spray or Fog, Water

## 6. Accidental Release Measures

**ENVIRONMENTAL MEASURES:** No Information

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Sweep up excess powder. Place remaining powder into containers.

## 7. Handling and Storage

**HANDLING:** KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Keep containers away from excessive heat and freezing. Maintain adequate ventilation to prevent exposure above current OSHA / ACGIH exposure limits. Workplace monitoring of the air to define formaldehyde exposure levels may be necessary. Use in well ventilated area. Ensure fresh air entry during application and drying. Provide fresh air such that chemical odors cannot be detected during use and while drying. Do not breathe dust. Do not inhale dusts of this product. While dry sanding, use of a NIOSH-approved dust mask is recommended. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area, away from incompatible substances.

**STORAGE:** Avoid excessive heat and freezing. Keep containers closed when not in use. Do not store at temperatures above 120 °F (49 °C). Do not store near acids.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u>      | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|---------------------------|----------------------|-----------------------|---------------------|-------------------------|
| Urea-formaldehyde polymer | N.E.                 | N.E.                  | N.E.                | N.E.                    |
| Barium sulfate            | N.E.                 | N.E.                  | N.E.                | N.E.                    |
| Tri Calcium Phosphate     | N.E.                 | N.E.                  | N.E.                | N.E.                    |
| Formaldehyde              | 0.1 ppm TWA          | 0.3 ppm STEL          | 0.75 ppm TWA        | N.E.                    |
| Ammonium sulfate          | N.E.                 | N.E.                  | N.E.                | N.E.                    |

**Further Advice:** MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation  
Sk = Skin Sensitizer N.E. = Not Established

### Personal Protection



**RESPIRATORY PROTECTION:** When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full facepiece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary. Respirator use is not expected to be necessary under normal conditions of handling. In emergency situations, use of a NIOSH-approved respirator may be required. A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.



**SKIN PROTECTION:** Wear rubber gloves. Wear protective gloves.



**EYE PROTECTION:** Goggles or safety glasses with side shields.



**OTHER PROTECTIVE EQUIPMENT:** Provide eyewash. Provide coveralls if body contact may occur.



**HYGIENIC PRACTICES:** Remove and wash contaminated clothing before re-use.

## 9. Physical and Chemical Properties

|                                       |                             |   |                 |
|---------------------------------------|-----------------------------|---|-----------------|
| <b>Appearance:</b>                    | Colored                     | <b>Physical State:</b>                    | Powder          |
| <b>Odor:</b>                          | Slight Formaldehyde         | <b>Odor Threshold:</b>                    | Not Established |
| <b>Density, g/cm<sup>3</sup>:</b>     | 0.70 - 0.70                 | <b>pH:</b>                                | No Information  |
| <b>Freeze Point, °C:</b>              | Not Established             | <b>Viscosity (mPa.s):</b>                 | Not Applicable  |
| <b>Solubility in Water:</b>           | Not Established             | <b>Partition Coeff., n-octanol/water:</b> | Not Established |
| <b>Decomposition Temperature, °C:</b> | Not Established             | <b>Explosive Limits, %:</b>               | N.A. - N.A.     |
| <b>Boiling Range, °C:</b>             | N.A. - N.A.                 | <b>Auto-Ignition Temperature, °C</b>      | Not Established |
| <b>Minimum Flash Point, °C:</b>       | N.A.                        | <b>Vapor Pressure, mmHg:</b>              | Not Established |
| <b>Evaporation Rate:</b>              | Not Applicable              | <b>Flash Method:</b>                      | Not Applicable  |
| <b>Vapor Density:</b>                 | Not Applicable              | <b>Flammability, NFPA:</b>                | Non-Flammable   |
| <b>Combustible Dust:</b>              | Does not support combustion |   |                 |

(See "Other information" Section for abbreviation legend)

(If product is an aerosol, the flash point stated above is that of the propellant.)

## 10. Stability and Reactivity

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Do not breathe dust. Avoid dust formation in confined areas. Excessive heat and freezing.

**INCOMPATIBILITY:** Strong oxidizing agents. Strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Normal decomposition products, i.e., CO<sub>x</sub>, NO<sub>x</sub>.

## 11. Toxicological Information

**EFFECT OF OVEREXPOSURE - INHALATION:** There should be minimal risk when used with ventilation adequate to keep the atmospheric concentration of formaldehyde below the recommended exposure limits. May cause sensitization of susceptible persons by inhalation of aerosol or dust. May cause allergic respiratory reaction. May cause irritation of respiratory tract. Prolonged, repeated, or high exposures may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Prolonged exposure to the skin may dry the skin and cause dermatitis or burns.

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** May cause eye irritation. Signs and symptoms may include: pain, tears, swelling, redness and blurred vision. May cause eye irritation.

**EFFECT OF OVEREXPOSURE - INGESTION:** Acute intoxication by inhalation or ingestion of water soluble barium salts causes vomiting, diarrhea, convulsive tremors and muscular paralysis. Ingestion may cause raising of blood pressure. May cause severe gastrointestinal disturbance with headache, nausea, vomiting and diarrhea.

**CARCINOGENICITY:** This product contains trace amounts of free formaldehyde. OSHA and NTP identify formaldehyde as a potential carcinogen. IARC identifies formaldehyde as a human carcinogen. Formaldehyde has been shown to cause mutations in a variety of in-vitro test systems, the significance of which to humans is unknown. In a two-year inhalation study, rats showed carcinogenic effects in the respiratory system at 15 ppm of formaldehyde.

**EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS:** Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Prolonged or repeated inhalation of dust may cause lung damage. Some reports suggest that formaldehyde may cause respiratory sensitization, such as asthma, and that pre-existing respiratory and skin disorders may be aggravated by exposure. Please refer to the OSHA Standard for guidance applicable to your specific operation. Formaldehyde vapor is a known animal carcinogen according to OSHA and NTP and is considered possibly carcinogenic to humans by inhalation. The International Agency for Research on Cancer considers formaldehyde to be a human carcinogen.

**PRIMARY ROUTE(S) OF ENTRY:** No Information

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

| <u>CAS-No.</u> | <u>Chemical Name</u>      | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|---------------------------|------------------|--------------------|-------------------|
| 9011-05-6      | Urea-formaldehyde polymer | >8394 mg/kg Rat  | >2000 mg/kg        | >20 mg/L          |
| S~BA~C         | Barium sulfate            | 364000 mg/kg Rat | 2000 mg/kg Rat     | N.I.              |

|           |                       |                 |                    |          |
|-----------|-----------------------|-----------------|--------------------|----------|
| 1306-06-5 | Tri Calcium Phosphate | >5000 mg/kg Rat | >2000 mg/kg Rabbit | >20 mg/L |
| 50-00-0   | Formaldehyde          | 100 mg/kg Rat   | >2000 mg/kg Rat    | N.I.     |
| 7783-20-2 | Ammonium sulfate      | 2840 mg/kg Rat  | 2000 mg/kg Rat     | N.I.     |

N.I. = No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Ecological injuries are not known or expected under normal use.

## 13. Disposal Information

**DISPOSAL INFORMATION:** This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulation, 40 CFR Section 261. Dispose as hazardous waste according to all local, state, federal and provincial regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Sweep up excess powder. Place remaining powder into containers.

## 14. Transport Information

|                           |               |
|---------------------------|---------------|
| DOT UN/NA Number:         | N.A.          |
| DOT Proper Shipping Name: | Not Regulated |
| DOT Technical Name:       | N.A.          |
| DOT Hazard Class:         | N.A.          |
| Hazard SubClass:          | N.A.          |
| Packing Group:            | N.A.          |

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Carcinogenicity, Acute Toxicity (any route of exposure), Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation, Germ cell mutagenicity

#### SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Formaldehyde         | 50-00-0        |

#### TOXIC SUBSTANCES CONTROL ACT:

All ingredients in this product are either on TSCA inventory list, or otherwise exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

**16. Other Information**

**Revision Date:** 4/11/2022 **Supersedes Date:** 3/8/2017

**Reason for revision:** Revision Description Changed  
 Substance and/or Product Properties Changed in Section(s):  
 01 - Product Information  
 02 - Hazards Identification  
 05 - Flammability Information  
 08 - Exposure Controls/Personal Protection  
 09 - Physical & Chemical Information  
 11 - Toxicological Information  
 13 - Disposal Information  
 14 - Transportation Information  
 15 - Regulatory Information  
 16 - Other Information  
 Revision Statement(s) Changed

**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

| Health: | Flammability: | Reactivity: | Personal Protection: |
|---------|---------------|-------------|----------------------|
| N.I.    | 0             | N.I.        | X                    |

VOC Less Water Less Exempt Solvent, g/L: 14.0

VOC Material, g/L: 14

VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 2.00

VOC Actual, Wt/Wt%: 2.0

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

|      |  |
|------|--|
| H301 | Toxic if swallowed.                      |
| H312 | Harmful in contact with skin.            |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H317 | May cause an allergic skin reaction.     |
| H319 | Causes serious eye irritation.           |
| H330 | Fatal if inhaled.                        |
| H331 | Toxic if inhaled.                        |
| H335 | May cause respiratory irritation.        |
| H341 | Suspected of causing genetic defects.    |
| H350 | May cause cancer.                        |

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS05



GHS06



GHS07



GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

DAP believes the data and statements contained herein are accurate as of the date hereof. They are offered in good faith as typical values and not as a product specification. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE WITH REGARD TO THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Since this document is intended only as a guide to the appropriate use and precautionary handling of the referenced product by a properly trained person, it is therefore the responsibility of the user to (i) review the recommendations with due consideration for the specific context of the intended use and (ii) determine if they are appropriate.