


|   |                            |   |
|---|----------------------------|---|
|  | <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 Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.</p> |
|---|----------------------------|---|

IMPORTANT: 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.

## 1. Identification

|                            |   |                           |                                      |
|----------------------------|---|---------------------------|--------------------------------------|
| <b>Product Name:</b>       | Tankbond Heavy Duty Advanced Epoxy (Resin)  | <b>Revision Date:</b>     | 12/9/2019                            |
| <b>Product UPC Number:</b> | 070798001763  | <b>Supersedes Date:</b>   | New SDS                              |
| <b>Manufactured For</b>    | DAP Products 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>            | 00010210004                          |
|                            | 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

### GHS Classification

Acute Tox. 4 Inhalation, Carc. 2, Eye Irrit. 2, Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT RE 2, STOT SE 3 RTI

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

33% of the mixture consists of ingredients of unknown acute toxicity

### GHS HAZARD STATEMENTS

Flammable Liquid, category 2

H225

Highly flammable liquid and vapour.

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 4 | H332 | Harmful if inhaled.  |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.                                  |
| Carcinogenicity, category 2            | H351 | Suspected of causing cancer.                                       |
| STOT, repeated exposure, category 2    | H373 | May cause damage to organs through prolonged or repeated exposure. |

**GHS LABEL PRECAUTIONARY STATEMENTS**

|                |  |
|----------------|--|
| P201           | Obtain special instructions before use.  |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| 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.   |
| P281           | Use personal protective equipment as required.   |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                              |
| 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.   |
| P312           | Call a POISON CENTER or doctor/physician if you feel unwell.   |
| 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.  |
| P370+P378      | In case of fire: Use... to extinguish.   |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P403+P235      | Store in a well-ventilated place. Keep cool.   |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container to ...   |

**GHS SDS PRECAUTIONARY STATEMENTS**

|      |   |
|------|---|
| P240 | Ground/bond container and receiving equipment.                      |
| P241 | Use explosion-proof electrical/ventilating/lighting/.../ equipment. |
| P242 | Use only non-sparking tools.  |
| P243 | Take precautionary measures against static discharge.               |
| 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> |
|--|----------------|--------------|--------------------|-----------------------|
| Methyl methacrylate  | 80-62-6        | 15-40        | GHS02-GHS07        | H225-315-317-332-335  |
| Calcium Meta Silicate  | 13983-17-0     | 10-30        | GHS07-GHS08        | H319-335-373          |
| Amorphous silica   | 112945-52-5    | 3-7          | GHS07              | H315-319-332-335      |
| 2-Propenoic acid, 2-methyl-, cyclohexyl ester                | 101-43-9       | 1-5          | No Information     | No Information        |
| N,N-Dimethylaniline  | 121-69-7       | 1-5          | GHS06-GHS08        | H302-312-330-351      |
| 2-Propanol, 1,1'-[(4-methylphenyl)imino]bis-                 | 38668-48-3     | 1-5          | No Information     | No Information        |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2     | 1-5          | No Information     | No Information        |
| Hexadecanoic acid, hexadecyl ester                           | 540-10-3       | 1-5          | No Information     | No Information        |
| Methacrylic acid   | 79-41-4        | 1-5          | GHS05-GHS06-GHS07  | H302-311-314-335      |

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 you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

**FIRST AID - SKIN CONTACT:** In case of contact, wash skin immediately with soap and water.

**FIRST AID - EYE CONTACT:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**FIRST AID - INGESTION:** If swallowed do not induce vomiting. Seek immediate medical attention.

## 5. Fire-fighting Measures

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Eliminate sources of ignition: heat, electrical equipment, sparks and flames. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back. Vapors may form explosive mixtures with air. Containers may explode if exposed to extreme heat. Empty containers retain product residue (liquid and/or vapor). Vapor can ignite potentially causing an explosion.

**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

## 6. Accidental Release Measures

**ENVIRONMENTAL MEASURES:** No Information

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** NOTE: Review fire hazards before proceeding with clean up. Immediately eliminate sources of ignition. Keep people away from and upwind of spill/leak. Dike to prevent entering any sewer or waterway. Soak up with inert absorbent material and dispose of as hazardous waste. Use personal protective equipment as necessary. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. Use absorbent material or scrape up dried material and place in container. Never discard in a liquid state. Dispose of material in accordance with all federal, state and local regulations.

## 7. Handling and Storage

**HANDLING:** KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Remove all sources of ignition. Keep away from open flames, hot surfaces and sources of ignition. Provide adequate ventilation. Avoid heat, sparks and open flames. Wear appropriate personal protection. Avoid contact with eyes, skin and clothing. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Empty containers retain product residue (liquid and/or vapor). Vapor can ignite potentially causing an explosion. Keep away from sources of ignition - No smoking. Do not use in areas where static sparks may be generated.

**STORAGE:** Store away from sources of ignition and heat. Do not store at temperatures above 120 degrees F. Store containers away from excessive heat and freezing. Store away from caustics and oxidizers. Keep containers tightly closed.

## 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> |
|--|---|-----------------------|---|-------------------------|
| Methyl methacrylate  | 50 ppm TWA  | 100 ppm STEL          | 100 ppm TWA, 410 mg/m <sup>3</sup> TWA                                    | N.E.                    |
| Calcium Meta Silicate  | 1 mg/m <sup>3</sup> TWA<br>inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica | N.E.                  | N.E.  | N.E.                    |
| Amorphous silica   | N.E.  | N.E.                  | N.E.  | N.E.                    |
| 2-Propenoic acid, 2-methyl-, cyclohexyl ester                | N.E.  | N.E.                  | N.E.  | N.E.                    |
| N,N-Dimethylaniline  | 5 ppm TWA<br>Dimethylaniline  | 10 ppm STEL           | 5 ppm TWA<br>Dimethylaniline, 25 mg/m <sup>3</sup> TWA<br>Dimethylaniline | N.E.                    |
| 2-Propanol, 1,1'-[[4-methylphenyl]imino] bis-                | N.E.  | N.E.                  | N.E.  | N.E.                    |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | N.E.  | N.E.                  | N.E.  | N.E.                    |
| Hexadecanoic acid, hexadecyl ester                           | N.E.  | N.E.                  | N.E.  | N.E.                    |
| Methacrylic acid   | 20 ppm TWA  | 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:** No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. 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:** Impervious gloves. Wear nitrile, neoprene, or natural rubber gloves.



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



**OTHER PROTECTIVE EQUIPMENT:** Impervious clothing.



**HYGIENIC PRACTICES:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame. Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited.

## 9. Physical and Chemical Properties

|                                       |                             |   |                           |
|---------------------------------------|-----------------------------|---|---------------------------|
| <b>Appearance:</b>                    | Gray                        | <b>Physical State:</b>                    | Paste                     |
| <b>Odor:</b>                          | Not Established             | <b>Odor Threshold:</b>                    | Not Established           |
| <b>Density, g/cm<sup>3</sup>:</b>     | 1.12 - 1.12                 | <b>pH:</b>                                | Not Applicable            |
| <b>Freeze Point, °C:</b>              | Not Established             | <b>Viscosity (mPa.s):</b>                 | Not Established           |
| <b>Solubility in Water:</b>           | No Information              | <b>Partition Coeff., n-octanol/water:</b> | Not Established           |
| <b>Decomposition Temperature, °C:</b> | Not Established             | <b>Explosive Limits, %:</b>               | 1 - 8.8                   |
| <b>Boiling Range, °C:</b>             | 100 - 100                   | <b>Auto-Ignition Temperature, °C</b>      | Not Established           |
| <b>Minimum Flash Point, °C:</b>       | 15                          | <b>Vapor Pressure, mmHg:</b>              | Not Established           |
| <b>Evaporation Rate:</b>              | Slower Than n-Butyl Acetate | <b>Flash Method:</b>                      | Seta Closed Cup           |
| <b>Vapor Density:</b>                 | Heavier Than Air            | <b>Flammability, NFPA:</b>                | Flammable Liquid Class IB |
| <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:** Avoid formation of aerosol. Keep away from open flames, hot surfaces and sources of ignition. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Do not smoke.

**INCOMPATIBILITY:** Open flames, hot surfaces and sources of ignition. Keep away from strong oxidizing agents, heat and open flames. None under normal processing.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No decomposition if used as directed. To avoid thermal decomposition, do not overheat. Aldehydes (including formaldehyde). Hydrocarbons.

## 11. Toxicological Information

**EFFECT OF OVEREXPOSURE - INHALATION:** Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** Immediate bonding of skin may result upon contact.

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** Immediate bonding of eyelids may result upon contact.

**EFFECT OF OVEREXPOSURE - INGESTION:** Immediate bonding of mouth may result upon contact.

**CARCINOGENICITY:** No Information

**EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS:** Chronic exposure may cause dermatitis.

**PRIMARY ROUTE(S) OF ENTRY:** Skin Contact, Inhalation

### 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>    |
|----------------|--|------------------|-------------------------|----------------------|
| 80-62-6        | Methyl methacrylate  | 9400 mg/kg Rat   | 6550 mg/kg Rabbit       | 29.8 mg/L Rat        |
| 13983-17-0     | Calcium Meta Silicate  | N.I.             | N.I.                    | N.I.                 |
| 112945-52-5    | Amorphous silica   | >3300 mg/kg Rat  | >2000 mg/kg Rabbit      | >20 mg/L             |
| 101-43-9       | 2-Propenoic acid, 2-methyl-, cyclohexyl ester                | N.I.             | N.I.                    | N.I.                 |
| 121-69-7       | N,N-Dimethylaniline  | 951 mg/kg Rat    | 1770 mg/kg Rabbit       | >0.5 - <5.0 mg/L Rat |
| 38668-48-3     | 2-Propanol, 1,1'-[(4-methylphenyl)imino]bis-                 | N.I.             | N.I.                    | N.I.                 |
| 52628-03-2     | 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | N.I.             | N.I.                    | N.I.                 |
| 540-10-3       | Hexadecanoic acid, hexadecyl ester                           | N.I.             | N.I.                    | N.I.                 |
| 79-41-4        | Methacrylic acid   | 1060 mg/kg Rat   | 500 - 1000 mg/kg Rabbit | 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:** Residues and spilled material are hazardous waste due to ignitability. Dispose of material in accordance with all federal, state and local 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. Do not flush into surface water or sanitary sewer system. Do not empty into drains. Do not re-use empty containers. The container for this product can present explosion or fire hazards, even when emptied. To avoid risk of injury, do not cut, puncture, or weld on or near this container.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** NOTE: Review fire hazards before proceeding with clean up. Immediately eliminate sources of ignition. Keep people away from and upwind of spill/leak. Dike to prevent entering any sewer or waterway. Soak up with inert absorbent material and dispose of as hazardous waste. Use personal protective equipment as necessary. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. Use absorbent material or scrape up dried material and place in container. Never discard in a liquid state. Dispose of material in accordance with all federal, state and local regulations.

## 14. Transport Information

**SPECIAL TRANSPORT PRECAUTIONS:** No Information

|                                  |  |
|----------------------------------|--|
| <b>DOT UN/NA Number:</b>         | UN1133                                   |
| <b>DOT Proper Shipping Name:</b> | Adhesives, containing a flammable liquid |
| <b>DOT Technical Name:</b>       | N.A.                                     |
| <b>DOT Hazard Class:</b>         | 3 Flammable liquid                       |
| <b>Hazard SubClass:</b>          | N.A.                                     |
| <b>Packing Group:</b>            | II                                       |

## 15. Regulatory Information

### 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:

No Sara 313 components exist in this product.

### 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: 12/9/2019 **Supersedes Date:** New MSDS

Reason for revision: HazCom2012/GHS Conversion

Datasheet produced by: Regulatory Department

### HMIS Ratings:

| Health: | Flammability: | Reactivity: | Personal Protection: |
|---------|---------------|-------------|----------------------|
| 2*      | 3             | 1           | X                    |

VOC Less Water Less Exempt Solvent, g/L: 0.4

VOC Material, g/L: 0

VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 0.00

VOC Actual, Wt/Wt%: 0.0

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

|      |  |
|------|--|
| H225 | Highly flammable liquid and vapour.                                |
| H302 | Harmful if swallowed.  |
| H311 | Toxic in contact with skin.  |
| 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.  |
| H332 | Harmful if inhaled.  |
| H335 | May cause respiratory irritation.                                  |
| H351 | Suspected of causing cancer.                                       |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

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

GHS02



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.

|   |                            |  |
|---|----------------------------|--|
|  | <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> |
|---|----------------------------|--|

IMPORTANT: 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.

## 1. Identification

|                            |   |                           |                                      |
|----------------------------|---|---------------------------|--------------------------------------|
| <b>Product Name:</b>       | Tankbond Heavy Duty Advanced Epoxy (Accelerator)  | <b>Revision Date:</b>     | 12/9/2019                            |
| <b>Product UPC Number:</b> | 070798001763  | <b>Supersedes Date:</b>   | New SDS                              |
| <b>Manufactured For</b>    | DAP Products 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>            | 00010212004                          |
|                            | 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

### GHS Classification

Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1

### Symbol(s) of Product



### Signal Word

Warning

### Possible Hazards

90% 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.

**GHS LABEL PRECAUTIONARY STATEMENTS**

|                |  |
|----------------|--|
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.  |
| P264           | Wash thoroughly after handling.  |
| P272           | Contaminated work clothing should not be allowed out of the workplace.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| 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.  |
| P501           | Dispose of contents/container to ...   |

**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> |
|---|----------------|--------------|--------------------|-----------------------|
| Epoxy resin                               | 25068-38-6     | 15-40        | GHS07              | H315-317-319          |
| Benzoic acid, C9-11-branched alkyl esters | 131298-44-7    | 3-7          | No Information     | No Information        |
| Benzoyl peroxide                          | 94-36-0        | 3-7          | GHS01-GHS07        | H241-317-319          |

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 you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

**FIRST AID - SKIN CONTACT:** In case of contact, wash skin immediately with soap and water.

**FIRST AID - EYE CONTACT:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**FIRST AID - INGESTION:** If swallowed do not induce vomiting. Seek immediate medical attention.

**5. Fire-fighting Measures**

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No Information

**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

**6. Accidental Release Measures**

**ENVIRONMENTAL MEASURES:** No Information

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to prevent entering any sewer or waterway. Use personal protective equipment as necessary. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Use absorbent material or scrape up dried material and place in container. Never discard in a liquid state.

**7. Handling and Storage**

**HANDLING:** KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Provide adequate ventilation. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Avoid contact with eyes, skin and clothing. Do not breathe dust. While dry sanding, use of a NIOSH-approved dust mask is recommended.

**STORAGE:** Store away from caustics and oxidizers. Keep containers tightly closed.

**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> |
|----------------------|----------------------|-----------------------|---------------------|-------------------------|
|----------------------|----------------------|-----------------------|---------------------|-------------------------|

|   |             |      |             |      |
|---|-------------|------|-------------|------|
| Epoxy resin                               | N.E.        | N.E. | N.E.        | N.E. |
| Benzoic acid, C9-11-branched alkyl esters | N.E.        | N.E. | N.E.        | N.E. |
| Benzoyl peroxide                          | 5 mg/m3 TWA | N.E. | 5 mg/m3 TWA | 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. No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.



**SKIN PROTECTION:** Impervious gloves. Wear nitrile, neoprene, or natural rubber gloves. Wear protective gloves.



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



**OTHER PROTECTIVE EQUIPMENT:** Impervious clothing.



**HYGIENIC PRACTICES:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame. Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited.

## 9. Physical and Chemical Properties

|                                       |                             |   |                                |
|---------------------------------------|-----------------------------|---|--------------------------------|
| <b>Appearance:</b>                    | Gray                        | <b>Physical State:</b>                    | Paste                          |
| <b>Odor:</b>                          | Not Established             | <b>Odor Threshold:</b>                    | Not Established                |
| <b>Density, g/cm3:</b>                | 1.57 - 1.57                 | <b>pH:</b>                                | Not Applicable                 |
| <b>Freeze Point, °C:</b>              | Not Established             | <b>Viscosity (mPa.s):</b>                 | Not Established                |
| <b>Solubility in Water:</b>           | No Information              | <b>Partition Coeff., n-octanol/water:</b> | Not Established                |
| <b>Decomposition Temperature, °C:</b> | Not Established             | <b>Explosive Limits, %:</b>               | N.E. - N.E.                    |
| <b>Boiling Range, °C:</b>             | 100 - 100                   | <b>Auto-Ignition Temperature, °C</b>      | Not Established                |
| <b>Minimum Flash Point, °C:</b>       | 93.9                        | <b>Vapor Pressure, mmHg:</b>              | Not Established                |
| <b>Evaporation Rate:</b>              | Slower Than n-Butyl Acetate | <b>Flash Method:</b>                      | Seta Closed Cup                |
| <b>Vapor Density:</b>                 | Heavier Than Air            | <b>Flammability, NFPA:</b>                | Flammable Liquid<br>Class IIIB |
| <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:** None under normal processing.

**HAZARDOUS DECOMPOSITION PRODUCTS:** To avoid thermal decomposition, do not overheat.

## 11. Toxicological Information

**EFFECT OF OVEREXPOSURE - INHALATION:** Exposure to bisphenol A diglycidyl ether vapors may result in coughing, asthmatic attacks and bronchospasm persisting for several days. Bronchospasm may also occur. Organic acid anhydrides may produce an asthma-rhinitis syndrome, a flu-like syndrome, pulmonary disease-anemia syndrome, or irritant respiratory effects. Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). Prolonged, repeated, or high exposures may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** Allergic contact dermatitis is a common effect of occupational exposure to bisphenol A diglycidyl ether. Exposure to bisphenol A diglycidyl ether may result in severe burns to the skin. Eczema, urticaria, photodermatitis, erythema, persistent itching, severe facial swelling, blistering and erythema multiforme have been reported after dermal exposure to bisphenol A diglycidyl ether. Sclerotic skin changes are possible. Immediate bonding of skin may result upon contact.

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** Causes severe eye irritation. May cause eye irritation.

**EFFECT OF OVEREXPOSURE - INGESTION:** Harmful if swallowed. Ingestion of bisphenol A diglycidyl ether may results in oral and esophageal burns.

**CARCINOGENICITY:** No Information

**EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS:** Prolonged or repeated inhalation of dust may cause lung damage. bisphenol A diglycidyl ether may cause dermatitis, lung injury or chemical pneumonia. Chronic exposure may cause dermatitis.

**PRIMARY ROUTE(S) OF ENTRY:** Skin Contact, Inhalation

### 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> |
|----------------|---|------------------|--------------------|-------------------|
| 25068-38-6     | Epoxy resin                               | 11400 mg/kg Rat  | N.I.               | N.I.              |
| 131298-44-7    | Benzoic acid, C9-11-branched alkyl esters | >5000 mg/kg Rat  | >2000 mg/kg Rabbit | N.I.              |
| 94-36-0        | Benzoyl peroxide                          | 7710 mg/kg Rat   | N.I.               | 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. Do not flush into surface water or sanitary sewer system.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to prevent entering any sewer or waterway. Use personal protective equipment as necessary. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Use absorbent material or scrape up dried material and place in container. Never discard in a liquid state.

## 14. Transport Information

**SPECIAL TRANSPORT PRECAUTIONS:** As packaged:

Not a dangerous good under International Air Transport (IATA).

Not a dangerous good under International Maritime Transport (IMO).

Not a dangerous good under Canada Transport of Dangerous Goods (TDG).

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

## 15. Regulatory Information

### 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:

No Sara 313 components exist in this product.

### 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: 12/9/2019 **Supersedes Date:** New MSDS

Reason for revision: HazCom2012/GHS Conversion

Datasheet produced by: Regulatory Department

### HMIS Ratings:

| Health: | Flammability: | Reactivity: | Personal Protection: |
|---------|---------------|-------------|----------------------|
| 2*      | 1             | 1           | X                    |

VOC Less Water Less Exempt Solvent, g/L: 0.0

VOC Material, g/L: 0

VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 0.00

VOC Actual, Wt/Wt%: 0.0

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

|      |  |
|------|--|
| H241 | Heating may cause a fire or explosion. |
| H315 | Causes skin irritation.                |
| H317 | May cause an allergic skin reaction.   |
| H319 | Causes serious eye irritation.         |

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

GHS01



GHS07



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.