Safety Data Sheet

SDS Number: 00010210004
Revision Date: 12/9/2019

24 Hour Emergency Phone Numbers
Medical/Poison Control:
In U.S.: Call 1-800-222-1222
Outside U.S.: Call your local poison control center
Transportation/National Response Center:
1-800-535-5053
1-352-323-3500
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.

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

Product Name: Tankbond Heavy Duty Advanced Epoxy (Resin)
Product UPC Number: 070798001763
Manufactured For: DAP Products Inc.
2400 Boston Street Suite 200
Baltimore, MD 21224-4723
888-327-8477 (non - emergency matters)
SDS Coordinator: MSDS@dap.com
Emergency Telephone: 1-800-535-5053,
1-352-323-3500, 1-800-222-1222
Revision Date: 12/9/2019
Supercedes Date: New SDS
Product Use/Class: Adhesive
SDS No: 00010210004
Preparer: 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
Eye Irritation, category 2
Acute Toxicity, Inhalation, category 4
STOT, single exposure, category 3, RTI
Carcinogenicity, category 2
STOT, repeated exposure, category 2

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/j.../ 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Wt. %</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>80-62-6</td>
<td>15-40</td>
<td>GHS02-GHS07</td>
<td>H225-315-317-332-335</td>
</tr>
<tr>
<td>Calcium Meta Silicate</td>
<td>13983-17-0</td>
<td>10-30</td>
<td>GHS07-GHS08</td>
<td>H319-335-373</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>112945-52-5</td>
<td>3-7</td>
<td>GHS07</td>
<td>H315-319-332-335</td>
</tr>
<tr>
<td>2-Propanoic acid, 2-methyl- cyclohexyl ester</td>
<td>101-43-9</td>
<td>1-5</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>N,N-Dimethylaniline</td>
<td>121-69-7</td>
<td>1-5</td>
<td>GHS06-GHS08</td>
<td>H302-312-330-351</td>
</tr>
<tr>
<td>2-Propanol, 1,1'-(4-methylphenyl)imino]bis-</td>
<td>38668-48-3</td>
<td>1-5</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>2-Propanoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate</td>
<td>52628-03-2</td>
<td>1-5</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Hexadecanoic acid, hexadecyl ester</td>
<td>540-10-3</td>
<td>1-5</td>
<td>GHS05-GHS06-GHS07</td>
<td>H302-311-314-335</td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>79-41-4</td>
<td>1-5</td>
<td>GHS05-GHS06-GHS07</td>
<td>H302-311-314-335</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH TLV STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>50 ppm TWA</td>
<td>100 ppm STEL</td>
<td>100 ppm TWA, 410 mg/m3 TWA</td>
<td>N.E.</td>
</tr>
<tr>
<td>Calcium Meta Silicate</td>
<td>1 mg/m3 TWA inhalable particulate matter, particulate matter containing no asbestos and &lt;1% crystalline silica</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>2-Propenoic acid, 2-methyl-, cyclohexyl ester</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>N,N-Dimethylaniline</td>
<td>5 ppm TWA Dimethylaniline</td>
<td>10 ppm STEL Dimethylaniline</td>
<td>5 ppm TWA Dimethylaniline, 25 mg/m3 TWA Dimethylaniline</td>
<td>N.E.</td>
</tr>
<tr>
<td>2-Propanol, 1,1’-[4-methylphenyl]imino bis-</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>2-Propenoic acid, 2-methyl-, 2- hydroxyethyl ester, phosphate</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Hexadecanoic acid, hexadecyl ester</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>20 ppm TWA</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
<td>Gray</td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Density, g/cm³:</strong></td>
<td>1.12 - 1.12</td>
</tr>
<tr>
<td><strong>Freeze Point, °C:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Solubility in Water:</strong></td>
<td>No Information</td>
</tr>
<tr>
<td><strong>Decomposition Temperature, °C:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Boiling Range, °C:</strong></td>
<td>100 - 100</td>
</tr>
<tr>
<td><strong>Minimum Flash Point, °C:</strong></td>
<td>15</td>
</tr>
<tr>
<td><strong>Evaporation Rate:</strong></td>
<td>Slower Than n-Butyl Acetate</td>
</tr>
<tr>
<td><strong>Vapor Density:</strong></td>
<td>Heavier Than Air</td>
</tr>
<tr>
<td><strong>Combustible Dust:</strong></td>
<td>Does not support combustion</td>
</tr>
<tr>
<td><strong>Physical State:</strong></td>
<td>Paste</td>
</tr>
<tr>
<td><strong>Odor Threshold:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>pH:</strong></td>
<td>Not Applicable</td>
</tr>
<tr>
<td><strong>Viscosity (mPa.s):</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Partition Coeff., n-octanol/water:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Explosive Limits, %:</strong></td>
<td>1 - 8.8</td>
</tr>
<tr>
<td><strong>Auto-Ignition Temperature, °C:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Vapor Pressure, mmHg:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Flash Method:</strong></td>
<td>Seta Closed Cup</td>
</tr>
<tr>
<td><strong>Flammability, NFPA:</strong></td>
<td>Flammable Liquid Class IB</td>
</tr>
</tbody>
</table>

(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

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-62-6</td>
<td>Methyl methacrylate</td>
<td>9400 mg/kg Rat</td>
<td>6550 mg/kg Rabbit</td>
<td>29.8 mg/L Rat</td>
</tr>
<tr>
<td>13983-17-0</td>
<td>Calcium Meta Silicate</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>112945-52-5</td>
<td>Amorphous silica</td>
<td>&gt;3300 mg/kg Rat</td>
<td>&gt;2000 mg/kg Rabbit</td>
<td>&gt;20 mg/L</td>
</tr>
<tr>
<td>101-43-9</td>
<td>2-Propenoic acid, 2-methyl-, cyclohexyl ester</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>121-69-7</td>
<td>N,N-Dimethylaniline</td>
<td>951 mg/kg Rat</td>
<td>1770 mg/kg Rabbit</td>
<td>&gt;0.5 - &lt;5.0 mg/L Rat</td>
</tr>
<tr>
<td>38668-48-3</td>
<td>2-Propanol, 1,1'-(4-methylphenyl)imino</td>
<td>bis-</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>52628-03-2</td>
<td>2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>540-10-3</td>
<td>Hexadecanoic acid, hexadecyl ester</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>79-41-4</td>
<td>Methacrylic acid</td>
<td>1060 mg/kg Rat</td>
<td>500 - 1000 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
</tbody>
</table>

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
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:

<table>
<thead>
<tr>
<th>Health:</th>
<th>Flammability:</th>
<th>Reactivity:</th>
<th>Personal Protection:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2*</td>
<td>3</td>
<td>1</td>
<td>X</td>
</tr>
</tbody>
</table>

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
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.
1. Identification

Product Name: Tankbond Heavy Duty Advanced Epoxy (Accelerator)

Product UPC Number: 070798001763

Manufactured For: DAP Products Inc.
2400 Boston Street Suite 200
Baltimore, MD 21224-4723
888-327-8477 (non - emergency matters)

SDS Coordinator: MSDS@dap.com

Emergency Telephone: 1-800-535-5053,
1-352-323-3500, 1-800-222-1222

Revision Date: 12/9/2019

Supercedes Date: New SDS

Product Use/Class: Adhesive

SDS No: 00010212004

Preparer: Regulatory and Environmental Affairs

2. Hazards Identification

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

Symbol(s) of Product

![Warning Symbol]

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.
3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Wt. %</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>25068-38-6</td>
<td>15-40</td>
<td>GHS07</td>
<td>H315-317-319</td>
</tr>
<tr>
<td>Benzoic acid, C9-11-branched alkyl esters</td>
<td>131298-44-7</td>
<td>3-7</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Benzoyl peroxide</td>
<td>94-36-0</td>
<td>3-7</td>
<td>GHS01-GHS07</td>
<td>H241-317-319</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH TLV STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
</table>
9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Gray</td>
</tr>
<tr>
<td>Odor</td>
<td>Not Established</td>
</tr>
<tr>
<td>Density, g/cm³</td>
<td>1.57 - 1.57</td>
</tr>
<tr>
<td>Freeze Point, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>No Information</td>
</tr>
<tr>
<td>Decomposition Temperature, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Boiling Range, °C</td>
<td>100 - 100</td>
</tr>
<tr>
<td>Minimum Flash Point, °C</td>
<td>93.9</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Slower Than n-Butyl Acetate</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier Than Air</td>
</tr>
<tr>
<td>Combustible Dust</td>
<td>Does not support combustion</td>
</tr>
<tr>
<td>Physical State</td>
<td>Paste</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Established</td>
</tr>
<tr>
<td>pH</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Viscosity (mPa.s)</td>
<td>Not Established</td>
</tr>
<tr>
<td>Partition Coeff., n-octanol/water</td>
<td>Not Established</td>
</tr>
<tr>
<td>Explosive Limits, %</td>
<td>Not Established</td>
</tr>
<tr>
<td>Auto-Ignition Temperature, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Vapor Pressure, mmHg</td>
<td>Not Established</td>
</tr>
<tr>
<td>Flash Method</td>
<td>Seta Closed Cup</td>
</tr>
<tr>
<td>Flammability, NFPA</td>
<td>Flammable Liquid (Class IIIB)</td>
</tr>
</tbody>
</table>

(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 result 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

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>Epoxy resin</td>
<td>11400 mg/kg Rat</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>131298-44-7</td>
<td>Benzoic acid, C9-11-branched alkyl esters</td>
<td>&gt;5000 mg/kg Rat</td>
<td>&gt;2000 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
<tr>
<td>94-36-0</td>
<td>Benzoyl peroxide</td>
<td>7710 mg/kg Rat</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
</tbody>
</table>

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).

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

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:

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2*</td>
<td>1</td>
<td>1</td>
<td>X</td>
</tr>
</tbody>
</table>

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.