# SAFETY DATA SHEET

## SDS IDENTIFICATION NAME: V-Wrap PF Resin-A

### PAGE: 1 OF 7

### DATE: 12/19/19

## SECTION 1: IDENTIFICATION

### 1.1 Product identifier

**Product name**

V-Wrap PF Resin-A

### 1.2 Other means of identification

Not applicable

### 1.3 Recommended use of the chemical and restrictions on use

“Part A” of a two-component epoxy adhesive

### 1.4 Supplier's details

**Name**

STRUCTURAL TECHNOLOGIES, LLC

**Address**

10150 Old Columbia Road
Columbia, MD 21046
USA

**Telephone**

410-859-6539

### 1.5 Emergency phone number(s)

CHEMTREC: 1-800-424-9300

## SECTION 2: HAZARD(S) IDENTIFICATION

**General hazard statement**

Safety Data Sheet for V-Wrap PF Resin-B must be reviewed together with this data sheet. The mixture of part A and part B does not produce any additional hazardous substances or components other than those listed in the Safety Data Sheet for each component.

### 2.1 Classification of the substance or mixture

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1

### 2.2 GHS label elements, including precautionary statements

**Pictogram**

![Warning]

**Signal word**

Warning

**Hazard statement(s)**

H315

Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation

Precautionary statement(s)
P261 Avoid breathing fume/gas/mist/vapors/spray.
P264 Wash hands and exposed skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear eye protection/face protection/protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of 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.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations

2.3 Other hazards which do not result in classification
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances – Not applicable.

3.2 Mixtures

<table>
<thead>
<tr>
<th>Component*</th>
<th>Concentration*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A Polyglycidyl Ether Resin (CAS no.: 25068-38-6)</td>
<td>&gt; 60.0 - 100 % (weight)</td>
</tr>
<tr>
<td>Titanium dioxide (CAS no.: 13463-67-7)</td>
<td>&gt; 0.5 – 1.5 % (weight)</td>
</tr>
<tr>
<td>Petroleum distillates (CAS no.: 64742-47-8)</td>
<td>&gt;-0.1 – 1 % (weight)</td>
</tr>
</tbody>
</table>

Trade secret statement (OSHA 1910.1200(i))
*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: FIRST AID MEASURES

4.1 Description of necessary first-aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Take off contaminated clothing and wash it before reuse.

In case of eye contact Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.

If swallowed Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
4.2 Most important symptoms/effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

If inhaled May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

In case of skin contact May cause an allergic skin reaction. May cause skin irritation. Signs/symptoms may include rash, localized redness, swelling, and itching.

In case of eye contact May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

4.3 Indication of immediate medical attention and special treatment needed, if necessary
No data available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical
Hazardous decomposition products: Carbon oxides.

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Wear respiratory protection. For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth if safe to do so. Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks and open flame. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry, cool and well-ventilated place.

Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters
Not established

8.2 Appropriate engineering controls
Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection
Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Respiratory protection is not normally required when using this product with adequate local exhaust ventilation. Where risk assessment shows air-purifying respirators are appropriate use respirator and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards
No data available

Environmental exposure controls
Do not let product enter drains.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form (physical state, color, etc.)</td>
<td>White paste</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight Epoxy odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available.</td>
</tr>
<tr>
<td>pH</td>
<td>No data available.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200°F/ 93°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>No data available.</td>
</tr>
<tr>
<td>Upper/lower explosive limits</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available.</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.17</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Miscible in water</td>
</tr>
</tbody>
</table>
Partition coefficient: n-octanol/water  No data available.
Auto-ignition temperature  No data available.
Decomposition temperature  No data available.
Viscosity  No data available.
Explosive properties  No data available.
Oxidizing properties  No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity – Not data available.

10.2 Chemical stability - Stable under normal storage conditions.

10.3 Possibility of hazardous reactions - Exothermic polymerization will occur in the presence of strong acids, bases, amines and thiols.

10.4 Conditions to avoid - Keep away from heat, flames and sparks. Keep away from incompatible materials.

10.5 Incompatible materials - Strong acids, bases, amines, thiols and oxidizing agents.

10.6 Hazardous decomposition products - Carbon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity
Based on available data, classification data are not met

Likely Routes of Exposure: Eye contact. Skin contact.

Bisphenol A epichlorohydrin polymer (CAS no.: 25068-38-6)
LD50 (oral) – rat – 11400 mg/kg
LD50 (skin) – rabbit - >20mL/kg

Skin corrosion/irritation
Causes skin irritation

Serious eye damage/irritation
Causes serious eye irritation

Respiratory or skin sensitization
May cause an allergic skin reaction

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity - No data available

STOT-single exposure - No data available
STOT-repeated exposure - No data available

Aspiration hazard - No data available

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity**
No data available on product

**Persistence and degradability**
No data available on product

**Bioaccumulative potential**
No data available on product

**Mobility in soil**
No data available.

**Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**
No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal of the product**
Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

**Disposal of contaminated packaging**
Dispose of as unused product.

**SECTION 14: TRANSPORTATION INFORMATION**

**DOT (US)**
Not dangerous goods

**IMDG**
UN Number: UN 3082
Class: 9
Packing group: III
Proper Shipping Name: Environmentally Hazardous Substances, Liquid N.O.S. (Bisphenol A diglycidyl ether resin)

**IATA**
UN Number: UN 3082
Class: 9
Packing group: III
Proper Shipping Name: Environmentally Hazardous Substances, Liquid N.O.S. (Bisphenol A diglycidyl ether resin)

**SECTION 15: REGULATORY INFORMATION**

15.1 **Safety, health and environmental regulations specific for the product in question**

**California Prop. 65 components**
WARNING: This product can expose you to chemicals including Phenyl glycidyl ether, Titanium Dioxide which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
Acute Health Hazard

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

TSCA- Inventory status: All components are all listed or exempt from the TSCA inventory.

HMIS Rating

<table>
<thead>
<tr>
<th></th>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>V-Wrap 770 Resin-A</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

NFPA Rating

SECTION 16: OTHER INFORMATION

16.1 Further information/disclaimer

Date of issue: December 19, 2019.

SPECIAL PRECAUTIONS: Empty containers will retain some of the product residue. When handling of disposing of them, follow all label warnings, other instructions and waste disposal procedures.

DISCLAIMER: Wherever such words of phrases as “hazardous,” “toxic,” “carcinogen,” etc. appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws or the or the direct sources for these laws such as the International Agency for Research on Cancer (ISRC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic, hazardous or otherwise harmful. ANY EXPOSURE CAN ONLY BE UNDERSTOOD WITHIN THE ENTIRE CONTEXT OF ITS OCCURRENCE, WHICH INCLUDES SUCH FACTORS AS THE SUBSTANCE’S CHARACTERISTICS AS DEFINED IN THE SDS, AMOUNT AND DURATION OF EXPOSURES, OTHER CHEMICALS PRESENT AND PREEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE. The data provided is based on the information received from our raw material suppliers and other sources believed to be reliable. THIS DATA DOES NOT CONSTITUTE A GUARANTEE (EXPRESSED OF IMPLIED), WARRANTY (INCLUDING WARRANTY WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) OR REPRESENTATION (INCLUDING FREEDOM FROM PATENT LIABILITY) BY US WITH RESPECT TO THE DATA, THE PRODUCT DESCRIBED OR ITS USE FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO US. WE DISCLAIM LIABILITY FOR DAMAGE OR INJURY INCURRING DIRECTLY OR INDIRECTLY FROM THE USE OF THIS PRODUCT.

STRUCTURAL TECHNOLOGIES, LLC urges suppliers and users of this product to evaluate its suitability and compliance with local regulations, as STRUCTURAL TECHNOLOGIES, LLC cannot foresee the nature of the final application nor final location of usage.
SECTION 1: IDENTIFICATION

1.1 Product identifier
   Product name: V-Wrap PF Resin-B

1.2 Other means of identification
   Not applicable

1.3 Recommended use of the chemical and restrictions on use
   “Part B” of a two-component epoxy adhesive

1.4 Supplier's details
   Name: STRUCTURAL TECHNOLOGIES, LLC
   Address: 10150 Old Columbia Road
             Columbia, MD 21046
             USA
   Telephone: 410-859-6539

1.5 Emergency phone number(s)
   CHEMTREC: 1-800-424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

General hazard statement
Safety Data Sheet for V-Wrap PF Resin-A must be reviewed together with this data sheet. The mixture of part A and part B does not produce any additional hazardous substances or components other than those listed in the Safety Data Sheet for each component.

2.1 Classification of the substance or mixture

   GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)
   - Acute toxicity, oral, Cat. 4
   - Skin corrosion/irritation, Cat. 1B
   - Eye damage/irritation, Cat. 1

2.2 GHS label elements, including precautionary statements

   Pictogram
   ![Pictogram]

   Signal word: Danger

   Hazard statement(s)
   H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage

Precautionary statement(s)
P260 Do not breathe fume/gas/mist/vapors/spray.
P264 Wash hands and exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell,
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations

Statement regarding ingredients of unknown toxicity
Acute Toxicity, oral: 0.012%

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable.

3.2 Mixtures

Components

<table>
<thead>
<tr>
<th>Component*</th>
<th>Concentration*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxypropylene) diamine (CAS no.: 9046-10-0)</td>
<td>&gt; 60.0 % (weight)</td>
</tr>
<tr>
<td>Petroleum distillates (CAS no.: 64742-47-8)</td>
<td>0.1 – 1.0% (weight)</td>
</tr>
</tbody>
</table>

Trade secret statement (OSHA 1910.1200(i))
*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: FIRST AID MEASURES

4.1 Description of necessary first-aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Wash contaminated clothing before reuse.

In case of eye contact Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

If swallowed Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce
the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

If inhaled May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

In case of skin contact Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

In case of eye contact Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

If swallowed Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.3 Indication of immediate medical attention and special treatment needed, if necessary
No data available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical
Hazardous decomposition products: Carbon oxides, nitrogen oxides.

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Wear respiratory protection. For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth if safe to do so. Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks and open flame. For precautions see section 2.2.
7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry, cool and well-ventilated place.

Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Not established

8.2 Appropriate engineering controls
Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection
Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use respirator and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards – No data available

Environmental exposure controls
Do not let product enter drains.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form (physical state, color, etc.)</td>
<td>Black viscous liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild pungent</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;200°F/93°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Vapor pressure: No data available.
Vapor density: No data available.
Relative density: No data available.
Specific gravity: 1.03
Solubility(ies): Practically insoluble in water
Partition coefficient: n-octanol/water: No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.
Explosive properties: No data available.
Oxidizing properties: No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity – Not data available.

10.2 Chemical stability - Stable under normal storage conditions.

10.3 Possibility of hazardous reactions - Exothermic reaction will occur in the presence of strong acids.

10.4 Conditions to avoid - Keep away from heat, flames and sparks. Keep away from incompatible materials.

10.5 Incompatible materials - Strong acids, isocyanates, and oxidizing agents.

10.6 Hazardous decomposition products - Carbon oxides, nitrogen oxides, and other toxic gases or vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity
Harmful if swallowed

Likely Routes of Exposure: Eye contact. Skin contact. Ingestion. Inhalation.

Oral - Product: ATEmix: 460.75 mg/kg
Dermal - Product: ATEmix: 2,984.55 mg/kg
Inhalation - Product: No data available.

Skin corrosion/irritation
Causes severe skin burns

Serious eye damage/irritation
Causes serious eye damage

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity - No data available
STOT-single exposure - No data available
STOT-repeated exposure - No data available
Aspiration hazard - No data available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - No data available on product
Persistence and degradability - No data available on product
Bioaccumulative potential - No data available on product
Mobility in soil - No data available
Results of PBT and vPvB assessment - PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects - No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of the product - Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.
Disposal of contaminated packaging - Dispose of as unused product.

SECTION 14: TRANSPORTATION INFORMATION

DOT (US)
UN Number: UN 2735
Class: 8
Packing group: II
Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Contains Polyoxypropylene Diamine)

IMDG
UN Number: UN 2735
Class: 8
Packing group: II
Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Contains Polyoxypropylene Diamine)

IATA
UN Number: UN 2735
Class: 8
Packing group: II
Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Contains Polyoxypropylene Diamine)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question
California Prop. 65 components
This product contains chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
Acute Health Hazard

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

TSCA- Inventory status: All components are all listed or exempt from the TSCA inventory.

HMIS Rating

<table>
<thead>
<tr>
<th>V-Wrap 770 Resin-B</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
</tr>
</tbody>
</table>

NFPA Rating

SECTION 16: OTHER INFORMATION

16.1 Further information/disclaimer

Date of issue: December 19, 2019.

SPECIAL PRECAUTIONS: Empty containers will retain some of the product residue. When handling of disposing of them, follow all label warnings, other instructions and waste disposal procedures.

DISCLAIMER: Wherever such words or phrases as “hazardous,” “toxic,” “carcinogen,” etc. appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws or the or the direct sources for these laws such as the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic, hazardous or otherwise harmful. ANY EXPOSURE CAN ONLY BE UNDERSTOOD WITHIN THE ENTIRE CONTEXT OF ITS OCCURRENCE, WHICH INCLUDES SUCH FACTORS AS THE SUBSTANCE’S CHARACTERISTICS AS DEFINED IN THE SDS, AMOUNT AND DURATION OF EXPOSURES, OTHER CHEMICALS PRESENT AND PREEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE. The data provided is based on the information received from our raw material suppliers and other sources believed to be reliable. THIS DATA DOES NOT CONSTITUTE A GUARANTEE (EXPRESSED OF IMPLIED), WARRANTY (INCLUDING WARRANTY WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ) OR REPRESENTATION (INCLUDING FREEDOM FROM PATENT LIABILITY) BY US WITH RESPECT TO THE DATA, THE PRODUCT DESCRIBED OR ITS USE FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO US. WE DISCLAIM LIABILITY FOR DAMAGE OR INJURY INCURRING DIRECTLY OR INDIRECTLY FROM THE USE OF THIS PRODUCT.

STRUCTURAL TECHNOLOGIES, LLC urges suppliers and users of this product to evaluate its suitability and compliance with local regulations, as STRUCTURAL TECHNOLOGIES, LLC cannot foresee the nature of the final application nor final location of usage.