1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Structure Guard®-RS - Part B
Revision Date: 01-2019
Product Code: Rapid Set Epoxy
Company: Stag Technologies, 564 W. 9320 S., Sandy, UT 84070
Company Contact: Matthew Peterson
Company Phone: 844-STAGTEC
Emergency: 800-535-5053

2. HAZARDS IDENTIFICATION

GHS Ratings:
- Skin sensitizer: 1
- Reproductive toxin: 2

GHS Hazards:
- H317: May cause an allergic skin reaction
- H361: Suspected of damaging fertility or the unborn child

GHS Precautions:
- P201: Obtain special instructions before use
- P202: Do not handle until all safety precautions have been read and understood
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray
- 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
- P321: Specific treatment (see ... on this label)
- P363: Wash contaminated clothing before reuse
- P302+P352: IF ON SKIN: Wash with soap and water
- P308+P313: IF exposed or concerned: Get medical advice/attention
- P333+P313: If skin irritation or a rash occurs: Get medical advice/attention
3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Sulfate</td>
<td>7727-43-7</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Silica</td>
<td>67762-90-7</td>
<td>1.00% - 5.00%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

If inhaled remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms. Rinse immediately with plenty of water for at least 15 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue rinsing. Get medical attention, if irritation or symptoms of overexposure persists. Immediately wash skin with soap and plenty of water. If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point: N/A
LEL: N/A
UEL: N/A
Not applicable

Foam, Carbon dioxide (CO2) or dry chemical or water spray (water stream may be ineffective).

No information available

Firefighters, and others exposed, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Stop leak. Dike or contain spill. Pump into slavage tanks and/or absorb with suitable material. Use sparkless shovel to remove material. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use appropriate containment and clean up immediately. Corrosive. Avoid personal contact and breathing vapor or mist. Stop leak. Dike and contain spill. Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

7. HANDLING AND STORAGE

Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Keep away from heat and flame. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Avoid exposure to heat, light, and air for prolonged periods of time. Store in a cool, dry well ventilated area away from sources of heat and incompatible materials. Eliminate all ignition materials and incompatible materials. Collect spill with non spark tools.
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Sulfate 7727-43-7</td>
<td>15 mg/m³ TWA (total dust) 5 mg/m³ TWA (respirable fraction)</td>
<td>5 mg/m³ TWA (inhalable fraction, particulate matter containing no asbestos and &lt;1% crystalline silica)</td>
<td>NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)</td>
</tr>
<tr>
<td>Silica 67762-90-7</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended systems are not effective wear suitable personal protective equipment, which preforms satisfactory and meets OSHA or other recognized standards. Consult with local procedures for selection, training, and maintenance of the personal protective equipment. Always use adequate ventilation that comply with local regulations.

Eye/face Protection:
Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Skin Protection:
Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Respiratory Protection:
A NIOSH air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstance where air purifying respirator may not provide adequate protection.

9. PHYSICAL & CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity (SG)</td>
<td>1.299</td>
</tr>
<tr>
<td>Lbs VOC/Gallon Less Water</td>
<td>0.00</td>
</tr>
<tr>
<td>Lbs VOC/Gallon Less Exempt</td>
<td>0.00</td>
</tr>
<tr>
<td>% VOL by Volume</td>
<td>0.00</td>
</tr>
</tbody>
</table>

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Stable, Hazardous polymerization will not occur. Will react with Epoxy Resins especially at elevated temperatures. STABLE. Epoxy Resins under uncontrolled conditions. Mineral acids. Organic acid, oxidizers, Reacts with metals until reacted with epoxy. None known. Hazardous polymerization will not occur.
11. TOXICOLOGICAL INFORMATION
Mixture Toxicity:
Component Toxicity:

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Irritant to the eyes. Corrosive to Eyes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Irritant to the skin. Corrosive to Skin</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Irritant to respiratory tract. Prolonged or excessive inhalation may cause respiratory tract irritation.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>Skin sensitization in humans. Avoid breathing vapors.</td>
</tr>
<tr>
<td>Eyes</td>
<td>Respiratory System</td>
</tr>
</tbody>
</table>

Effects of Overexposure
Avoid breathing vapors

Oral  N.D.A.
Dermal N.D.A.
Inhalation N.D.A.

12. ECOLOGICAL INFORMATION
No ecotoxicity data was found for the product.

13. DISPOSAL CONSIDERATIONS
Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

14. TRANSPORT INFORMATION
UN2735 Amines, Liquid, corrosive, n.o.s. (Benzene-1,3-Dimethanamine, 1,5-Pentanediamine, 2-Mthyl).
DOT Hazard Class 8  DOT Packaging Class II

15. REGULATORY INFORMATION
(40 CFR 372.65)
TSCA
SARA III

CA PROP. 65 NOTICE WARNING

CANADIAN REGULATORY INFO
WHMIS; Hazard Classification: D2B Skin Sensitizer. Refer to SDS for specific warnings
Stylized T.

WHMIS Trade Secret Registry Numbers
None

Hazardous Products Act Information
This product SDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 13 and 14).

Country
EU

Regulation
REACH (EU) SUBSTANCES OF VERY HIGH CONCERN
Toxic Substance Control Act (TSCA)
EU - No
TSCA - Yes

All Components Listed
Safety Phrase
None
16. OTHER INFORMATION

Further information
HMIS® is a registered trade and service mark of the NPCA.
Health: 3
Flammability: 0
Physical hazard: 1
Personal Protection: G
NFPA ratings
Health: 3
Flammability: 0
Instability: 1

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue date
Not available.

This data sheet contains
Product and Company Identification: Synonyms
Physical & Chemical Properties: Multiple Properties
Transport Information: Material Transportation Information
Regulatory Information: United States.
1. PRODUCT AND COMPANY IDENTIFICATION

- **Product Name**: Structure Guard™-RS - Part A
- **Revision Date**: 01-2019
- **Product Code**: Rapid Set Epoxy
- **Company**: Stag Technologies, 564 W. 9320 S., Sandy, UT 84070
- **Company Contact**: Matthew Peterson
- **Company Phone**: 844-STAGTEC
- **Emergency**: 800-535-5053

2. HAZARDS IDENTIFICATION

- **GHS Ratings**: Carcinogen
- **GHS Hazards**: H351
- **GHS Precautions**: P201, P202, P281, P308+P313, P405, P501
- **Signal Word**: Warning

- **Carcinogen 2 - Limited evidence of human or animal carcinogenicity**
- **Suspected of causing cancer**
- **Obtain special instructions before use**
- **Do not handle until all safety precautions have been read and understood**
- **Use personal protective equipment as required**
- **If exposed or concerned: Get medical advice/attention**
- **Store locked up**
- **Dispose of contents/container to ...**
- **Warning**
3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Cass #</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy Resin</td>
<td>25085-99-8</td>
<td>80.10%</td>
</tr>
<tr>
<td>Barium Sulfate</td>
<td>7727-43-7</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>Silica</td>
<td>67762-90-7</td>
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5. FIRE FIGHTING MEASURES

Flash Point: N/A
LEL: N/A
UEL: N/A
Foam, Carbon dioxide (CO2) or dry chemical or water spray (water stream may be ineffective).
No information available
Firefighters, and others exposed, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Stop leak. Dike or contain spill. Pump into slavage tanks and/or absorb with suitable material. Use sparkless shovel to remove material. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use appropriate containment and clean up immediately. Stop leak, Dike and contain spill. Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

7. HANDLING AND STORAGE

Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Keep away from heat and flame. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Avoid exposure to heat, light, and air for prolonged periods of time. Store in a cool, dry well ventilated area away from sources of heat and incompatible materials. Eliminate all ignition materials and incompatible materials. Collect spill with non spark tools. No information available.
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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<tr>
<td>Titanium Dioxide 13463-67-7</td>
<td>15 mg/m³ TWA (total dust)</td>
<td>10 mg/m³ TWA</td>
<td>Not Established</td>
</tr>
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9. PHYSICAL & CHEMICAL PROPERTIES

Boiling Range  2500 to 3000 °C
Specific Gravity (SG)  1.348
Lbs VOC/Gallon Less Water  0.00
Lbs VOC/Gallon Less Exempt  0.00
% VOL by Volume  0.00

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Stable, Hazardous polymerization will not occur. STABLE. Strong acids, caustics, oxidizers, Avoid uncontrolled exposure to Epoxy Resin, Amine.
No Data Found
None known, other than Sec. #2 and Sec #5
No Data Found
Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity:
Component Toxicity
Eyes  Respiratory System
Effects of Overexposure:
CAS Number  13463-67-7
Description  Titanium Dioxide
% Weight  5 to 10%
Carcinogen Rating  Titanium Dioxide: NIOSH: potential occupational carcinogen
IARC: Possible human carcinogen
OSHA: listed
Avoid breathing vapors
Oral  N.D.A.
Dermal  N.D.A.
Inhalation  N.D.A.

12. ECOLOGICAL INFORMATION

No ecotoxicity data was found for the product

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

14. TRANSPORT INFORMATION

UN3082 Environmentally Hazardous Substance, Liquid N.O.S. (Epoxy Resin)
Packaging Group III  Hazardous Class 9

15. REGULATORY INFORMATION

OSHA:29 CFR
1910.1200 Hazardous Chemical "Irritant", Sensitizer
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

13463-67-7  Titanium Dioxide  5 to 10 % Carcinogen

The following chemicals are classified under SARA 313 Toxic Release Inventory (TRI):
- None

Country  EU
Regulation  REACH (EU) SUBSTANCES OF VERY HIGH CONCERN
Toxic Substance Control Act (TSCA)
All Components Listed  EU - No
TSCA - Yes
Safety Phrase  None

16. OTHER INFORMATION

Further information  HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings  Health: 1
Flammability: 0
Physical hazard: 1
Personal Protection: B

NFPA ratings  Health: 1
Flammability: 0
Instability: 0

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Issue date  Not available.
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Regulatory Information: United States.