1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: FLEX GUARD-FM PART B
Revision Date: 01-2019
Product Code: RE2120 B
Company: Stag Technologies, 564 W. 9320 S., Sandy, UT 84070
Company Contact: Matthew Peterson
Company Phone: 844-STAGTEC
Emergency Domestic Shipments and to Canada: 1-800-633-8253
International Shipments: 1-801-629-0667

2. HAZARDS IDENTIFICATION

GHS Ratings:
- Inhalation Toxicity: Acute Tox. 4
  - Gases > 2500 ppm, Vapors > 10 mg/l, Dusts & mists > 1 mg/l
  - Reversible adverse effects in dermal tissue, Draize score: >=2.3 < 4.0 or persistent inflammation
- Skin corrosive: 2
  - Reversible in 21 days
- Eye corrosive: 2A
  - Eye irritant: Subcategory 2A, Reversible in 21 days
- Reproductive toxin: 1B
  - Presumed, Based on experimental animals

GHS Hazards:
- H315: Causes skin irritation
- H319: Causes serious eye irritation
- H332: Harmful if inhaled
- H360: May damage 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
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>Proprietary Blend-29 C.F.R. 1910.1200(i).</td>
<td>872-50-4</td>
<td>20.00% - 30.00%</td>
</tr>
<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 MEASURE

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: 96°C (205°F)
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
Not 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. No information available.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
Chemical Name / CAS No.  Proprietary Blend-29 C.F.R. 1910.1200(i). 872-50-4
OSHA Exposure Limits Not Established.
ACGIH Exposure Limits Not Established.
Other Exposure Limits Not Established.

Chemical Name / CAS No.  Barium Sulfate 7727-43-7
OSHA Exposure Limits 15 mg/m$^3$ TWA (total dust); 5 mg/m$^3$ TWA (respirable fraction)
ACGIH Exposure Limits 5 mg/m$^3$ TWA (inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica)
Other Exposure Limits NIOSH: 10 mg/m$^3$ TWA (total dust); 5 mg/m$^3$ TWA (respirable dust)

Chemical Name / CAS No.  Silica 67762-90-7
OSHA Exposure Limits Not Established.
ACGIH Exposure Limits Not Established.
Other Exposure Limits Not Established.

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended 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 Europeana.

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.

9. PHYSICAL & CHEMICAL PROPERTIES
Boiling Range 202°C
Specific Gravity (SG) 1.184
Lbs VOC/Gallon Less Water 0.00
Lbs VOC/Gallon Less Exempt 0.00
% VOL by Volume 0.00
10. CHEMICAL STABILITY & REACTIVITY INFORMATION

11. TOXICOLOGICAL INFORMATION
Mixture Toxicity
Component Toxicity
Inhalation Toxicity LC50: 12mg/L
Oral LD50: 3,914 mg/kg (Rat)
Dermal LD50: 8 g/kg (Rabbit)
Inhalation LC50: 3 mg/L (Rat)

Eyes
Irritant to the eyes. Corrosive to Eyes

Skin
Irritant to the skin. Corrosive to Skin

Inhalation
Irritant to respiratory tract. Prolonged or excessive inhalation may cause respiratory tract irritation.

Sensitization
Skin sensitization in humans.

Effects of Overexposure
Avoid breathing vapors

CAS Number
None

Description
None

% Weight
None

Carcinogen Rating
None

Oral
N.D.A.

Dermal
N.D.A.

Inhalation
N.D.A.

12. ECOLOGICAL INFORMATION
No ecotoxicity data was found for the product.
Component Ecotoxicity
Proprietary Blend-29 C.F.R. 1910.1200(i).

96 Hr LC50 Lepomis macrochirus: 832 mg/L [static]; 96 Hr LC50 Pimephales promelas: 1072 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 1400 mg/L [static]
48 Hr EC50 Daphnia magna: 4897 mg/L
72 Hr EC50 Desmodesmus subspicatus: >500 mg/L

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-Methyl).
DOT Hazard Class 8
DOT Packaging Class II
15. REGULATORY INFORMATION
(40 CFR 372.65) Supplier Notification Required
TSCA Ingredients listed
SARA III Sec311 & 312 Immediate Health Hazard; Sec313 Chemicals above de minimus level: None
CA PROP. 65 NOTICE WARNING: CANADIAN REGULATORY INFORMATION
WHMIS; Hazard Classification: D2B Skin Sensitizer. Refer to SDS for specific warnings
WHMIS Symbols 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

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin: 872-50-4 Proprietary Blend-29 C.F.R. 1910.1200(i), 20 to 30 % Carcinogen

The following chemicals are classified under SARA 313 Toxic Release Inventory (TRI):
872-50-4 Proprietary Blend-29 C.F.R. 1910.1200(i), 20-30%

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

16. OTHER INFORMATION
Further information
HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings
Health: 3
Flammability: 1
Physical hazard: 0
NFPA ratings
Health: 3
Flammability: 1
Instability: 0
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.
1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: FLEX GUARD-FM PART A (1:1)
Revision Date: 01-2019
Product Code: RE2120 A
Company: Stag Technologies, 564 W. 9320 S., Sandy, UT 84070
Company Contact: Matthew Peterson
Company Phone: 844-STAGTEC
Emergency Domestic Shipments and to Canada: 1-800-633-8253
International Shipments: 1-801-629-0667

2. HAZARDS IDENTIFICATION

GHS Ratings:
- Skin corrosive: 3
  Reversible adverse effects in dermal tissue, Draize score: 
  \(>=1.5 < 2.3\)
- Skin sensitizer: 1
  Skin sensitizer
- Carcinogen: 2
  Limited evidence of human or animal carcinogenicity

GHS Hazards:
- H316: Causes mild skin irritation
- H317: May cause an allergic skin reaction
- H351: Suspected of causing cancer

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
P332+P313  If skin irritation occurs: Get medical advice/attention
P333+P313  If skin irritation or a rash occurs: Get medical advice/attention
P405  Store locked up
P501  Dispose of contents/container to …

Signal Word  Warning

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>Epoxy Resin</td>
<td>25085-99-8</td>
<td>87.70%</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>Proprietary</td>
<td>68609-97-2</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Silica</td>
<td>67762-90-7</td>
<td>1.00% - 5.00%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURE

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

No information available

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

Not 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. No information available.
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>Epoxy Resin 25085-99-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA Exposure Limits</td>
<td>Not Established.</td>
</tr>
<tr>
<td>ACGIH Exposure Limits</td>
<td>Not Established.</td>
</tr>
<tr>
<td>Other Exposure Limits</td>
<td>Not Established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>Titanium Dioxide 13463-67-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA Exposure Limits</td>
<td>15 mg/m$^3$ TWA (total dust)</td>
</tr>
<tr>
<td>ACGIH Exposure Limits</td>
<td>10 mg/m$^3$ TWA</td>
</tr>
<tr>
<td>Other Exposure Limits</td>
<td>Not Established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>Proprietary 68609-97-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA Exposure Limits</td>
<td>Not Established.</td>
</tr>
<tr>
<td>ACGIH Exposure Limits</td>
<td>Not Established.</td>
</tr>
<tr>
<td>Other Exposure Limits</td>
<td>Not Established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>Silica 67762-90-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA Exposure Limits</td>
<td>Not Established.</td>
</tr>
<tr>
<td>ACGIH Exposure Limits</td>
<td>Not Established.</td>
</tr>
<tr>
<td>Other Exposure Limits</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. 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.

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.

9. PHYSICAL & CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Range</td>
<td>2500 to 3000°C</td>
</tr>
<tr>
<td>Specific Gravity (SG)</td>
<td>1.200</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. STABLE. Strong acids, caustics, oxidizers, Avoid uncontrolled exposure to Epoxy Resin, Amine. No Data Found. None known, other than Sec. #2 and Sec #5. Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture Toxicity</td>
<td>No Data Found</td>
</tr>
<tr>
<td>Component Toxicity</td>
<td>No Data Found</td>
</tr>
</tbody>
</table>
Effects of Overexposure
Avoid breathing vapors

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

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

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

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

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! 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

Country EU
Safety Phrase None

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

16. OTHER INFORMATION
Further information
HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings
Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings
Health: 1
Flammability: 0
Instability: 0

Disclaimer
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