Safety Data Sheet

Section 1: Identification

Product identifier
Product Name Regenerex®
Synonyms PGS; Poly(glycerol sebacate); Poly(glycerol sebacic acid)
SDS Number/Grade Original
Product Code RG-Series Polymer Resin
Chemical Category Polyester elastomers
Molecular Formula (C13H22O5)n

Relevant identified uses of the substance or mixture and uses advised against
Recommended use Intended for Research and Development Use; For Evaluation Use Only

Details of the supplier of the safety data sheet Manufacturer
Secant Medical, Inc.
551 E. Church Avenue
Telford, PA 18969
United States
www.secantmedical.com

Telephone (General) 215-257-8680

Emergency telephone number
For Hazardous Materials Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 Customer Number: CCN697474.

Section 2: Hazard Identification

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture
OSHA HCS 2012 No data available

Label elements
OSHA HCS 2012 No data available

Other hazards
OSHA HCS 2012 No data available

Other information
Preparation Date: 17/September/2015
Revision Date: 17/September/2015
Page 1 of 7
Format: GHS Language: English (US)
OSHA HCS 2012
Section 3 - Composition/Information on Ingredients

Substances
Poly(glycerol sebacate) synthesized via a two-step polycondensation reaction between glycerol (aka glycerine or 1,2,3-Propanetriol) (CAS #56-81-5) and sebacic acid (aka Decanedioic acid) (CAS#111-20-6).

Mixtures
Material does not meet the criteria of a mixture.

Section 4: First-Aid Measures

Description of first aid measures
Inhalation  Remove to fresh air. Get medical attention.
Skin Wash skin with soap and water.
Eye Flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention. Rinse mouth.
Ingestion Do not give anything by mouth to an unconscious person. Get medical attention. Rinse mouth.

Most important symptoms and effects, both acute and delayed
No data available

Indication of any immediate medical attention and special treatment needed
No data available

Section 5: Fire-Fighting Measures

Extinguishing media
Suitable Extinguishing Media SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media No data available

Special hazards arising from the substance or mixture
Unusual Fire and Explosion Hazards No data available
Hazardous Combustion Products No data available
Advice for firefighters No data available

Section 6 - Accidental Release Measures

Preparation Date: 17/September/2015
Revision Date: 17/September/2015
Personal precautions, protective equipment and emergency procedures

Personal Precautions
Use proper protective equipment.

Emergency Procedures
No data available.

Environmental precautions
No data available.

Methods and material for containment and cleaning up

Containment/Clean-up Measures
Carefully sweep up spilled material and place in suitable container. Use appropriate Personal Protective Equipment (PPE)

Section 7 - Handling and Storage

Precautions for safe handling

Handling
Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage
Place in a sealed container. Store in a cool, dry environment. Refrigeration is recommended.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

Engineering Measures/Controls
Local exhaust ventilation.

Personal Protective Equipment

Pictograms

Respiratory
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face
Wear protective eyewear (goggles, face shield, or safety glasses).

Skin/Body
Wear protective gloves/protective clothing/eye protection/face protection.

Environmental Exposure Controls
No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Solid (Paste)</th>
<th>Appearance/Description</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>White or light yellow.</td>
<td>Odor</td>
<td>No data available</td>
</tr>
<tr>
<td>General Properties</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point</td>
<td>&gt; 25 C(&gt; 77 F)</td>
<td>Decomposition Temperature</td>
<td>&gt; 390 C(&gt; 734 F)</td>
</tr>
<tr>
<td>Density</td>
<td>1.3 g/mL @ 25 C(77 F)</td>
<td>Bulk Density</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Preparation Date: 17/September/2015
Revision Date: 17/September/2015
Format: GHS Language: English (US)
OSHA HCS 2012

Page 3 of 7
Section 10: Stability and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable

Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

No data available.

Hazardous decomposition products

No data available.

Section 11 - Toxicological Information

Information on toxicological effects

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
</tbody>
</table>

Potential Health Effects

Inhalation
Section 12 - Ecological Information

Toxicity

No data available

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in Soil

No data available.

Other adverse effects

No studies have been found.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste  Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste  Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class (es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Hazardous</td>
</tr>
<tr>
<td>IATA</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Hazardous</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Hazardous</td>
</tr>
</tbody>
</table>

Special precautions for user  None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  Not relevant.
Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications  No data available

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regenerex® as Polyester elastomers</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>EU EINECS</th>
<th>EU ELINCS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regenerex® as Polyester elastomers</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Europe

Other

- EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification
  - Regenerex® as Polyester elastomers Not Listed

- EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits
  - Regenerex® as Polyester elastomers Not Listed

- EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling
  - Regenerex® as Polyester elastomers Not Listed

- EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations
  - Regenerex® as Polyester elastomers Not Listed

- EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases
  - Regenerex® as Polyester elastomers Not Listed

United States

Labor

- U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals
  - Regenerex® as Polyester elastomers Not Listed

- U.S. - OSHA - Specifically Regulated Chemicals
  - Regenerex® as Polyester elastomers Not Listed

Environment

- U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
  - Regenerex® as Polyester elastomers Not Listed

- U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities
  - Regenerex® as Polyester elastomers Not Listed

- U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities
  - Regenerex® as Polyester elastomers Not Listed
United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List
• Regenerex® as Polyester elastomers Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity
• Regenerex® as Polyester elastomers Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)
• Regenerex® as Polyester elastomers Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)
• Regenerex® as Polyester elastomers Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female
• Regenerex® as Polyester elastomers Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male
• Regenerex® as Polyester elastomers Not Listed

Section 16 - Other Information

Last Revision Date 24/July/2015
Preparation Date 17/September/2015

Disclaimer/Statement of Liability
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Secant Medical Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. Copyright 2015 Secant Medical, Inc. License granted to make unlimited paper copies for internal use only.