1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
   
   **Product Name**
   Silmer G-200 A
   
   **Product code**
   6047.9300
   
   **Chemical Name**
   Mixture
   
   **CAS No.**
   69669-36-9 / 25085-99-8

1.2 Recommended use of the chemical and restrictions on use
   
   **Identified use(s)**
   intermediate use
   
   **Uses advised against**
   None known

1.3 Details of the supplier of the Safety Data Sheet
   
   **Company Identification**
   Siltech Corp
   225 Wicksteed Ave
   Toronto, ON Canada M4H 1G5
   
   **Telephone**
   +1-416-424-4567
   
   **Fax**
   +1-416-424-3158
   
   **E-Mail (competent person)**
   raj@siltech.com
   
   **Additional Location**
   Siltech Corp
   3265 Wolfedale Road,
   Mississauga ON Canada L5C 1V8
   
   **Telephone**
   +1-905-270-5534
   
   **Fax**
   +1-905-270-5816

1.4 Emergency telephone number
   
   **Emergency Phone No.**
   CANUTECH - TELEPHONE: EMERGENCY USE ONLY
   +1-613-996-6666

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
   
   **Skin Irrit. 2**
   **Eye Irrit. 2**
   **Skin Sens. 1**
   **Aquatic Chronic 2**

2.2 Label elements
   
   **Product Name**
   Silmer G-200 A
   
   **Symbol**
   ![Warning Symbol]

   **Signal word(s)**
   WARNING

   **Hazard statement(s)**
   H315: Causes skin irritation.
   H319: Causes serious eye irritation.
   H317: May cause an allergic skin reaction.
   H411: Toxic to aquatic life with long lasting effects.

   **Precautionary statement(s)**
   P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
   P264: Wash hands and exposed skin thoroughly after handling.
   P272: Contaminated work clothing should not be allowed out of the workplace.
   P273: Avoid release to the environment.
   P280: Wear protective gloves/protective clothing/eye protection/face protection.
   P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>Synonym(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Hazard pictogram(s) and Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane, 2,2-bis(P-(2,3-epoxypropoxy)phenyl)-, Polymers</td>
<td>Bisphenol A Epoxy Resin</td>
<td>60 - 65</td>
<td>25085-99-8</td>
<td>607-537-5</td>
<td>GHS07, GHS09 H315, H317, H319, H411</td>
</tr>
</tbody>
</table>

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, obtain medical attention.

Skin Contact
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation develops and persists, get medical attention.

Eye Contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed
May cause an allergic skin reaction. Causes skin irritation. Causes severe eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed
No information available.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Suitable Extinguishing Media
In case of fire, use water spray, foam, dry powder or CO2 for extinction. Keep containers cool by spraying with water if exposed to fire.

Unsuitable Extinguishing Media
Do not use water jet.

5.2 Special hazards arising from the substance or mixture
No information available.

5.3 Advice for fire-fighters
A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

6.2 Environmental precautions
Avoid release to the environment.

6.3 Methods and material for containment and cleaning up
Caution - spillages may be slippery. Cover spills with inert absorbent material. Transfer to a container for disposal.
6.4 Reference to other sections

See Section: 7 & 8.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid ingestion. Use only with sufficient ventilation. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed container. Keep away from heat and light.

Storage Temperature

Ambient

Storage Life

Stable under normal conditions.

Incompatible materials

Oxidizing agents

7.3 Specific end use(s)

Industrial use

8. SECTION 8: EXPOSURE CONTROLS/PERSO NAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
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<tbody>
<tr>
<td>None assigned</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.1.2 Biological limit value

Not established

8.1.3 PNECs and DNELs

Not established

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.

8.2.2 Personal protection equipment

Eye/face protection

Eye protection with side protection (EN 166)

Skin protection (Hand protection/ Other)

Wear impervious gloves (EN374).

Nitrile rubber, Polyethylene, PVC

Wear suitable protective clothing.

Respiratory protection

Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Colourless to yellowish liquid.

Odour

Characteristic odour.

Odour Threshold

Not available.

pH

Not available.

Melting Point/Freezing Point

Not available.
Initial boiling point and boiling range
Flash point (PMCC) Not available.
Evaporation rate Not available.
Flammability (solid, gas) Not applicable.
Upper/lower flammability or explosive limits Not available.
Vapour pressure Not available.
Vapour density Not available.
Relative density / Specific Gravity (20°C) 0.98
Solubility(ies) Dispersible in water.
Partition coefficient: n-octanol/water Not available.
Auto-ignition temperature Not available.
Decomposition Temperature Not available.
Viscosity (25°C) 200 – 600 cps
Explosive properties Not applicable.
Oxidising properties Not applicable.

10. SECTION 10: STABILITY AND REACTIVITY
10.1 Reactivity Stable under normal conditions.
10.2 Chemical stability Stable under normal conditions.
10.3 Possibility of hazardous reactions Will not occur
10.4 Conditions to avoid Critical Temperature (°C) > 250
10.5 Incompatible materials Oxidizing agents, Acids, Alkaline
10.6 Hazardous Decomposition Product(s) Carbon oxides may be formed.

11. SECTION 11: TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects
Acute toxicity
Ingestion LD50 (oral, rat) mg/kg: >15000
Inhalation LD50 (dermal) mg/kg: > 23000
Skin Contact Causes skin irritation.
Eye Contact Causes eye irritation.

Effects and Symptoms
skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation Causes serious eye damage.
Respiratory or skin sensitization May cause an allergic skin reaction.
Germ cell mutagenicity Not classified
Carcinogenicity Not classified
Reproductive toxicity Not classified
STOT - single exposure Not classified
STOT - repeated exposure Not classified
Aspiration hazard Not classified
Delayed and chronic effects Not available
Calculated acute toxicity estimate (ATE) Not available

12. SECTION 12: ECOLOGICAL INFORMATION
12.1 Toxicity Not available.
12.2 Persistence and degradability Not available.
12.3 Bioaccumulative potential Not available.
12.4 Mobility in soil Not available.
12.5 Results of PBT and VPVB assessment Not available.
12.6 Other adverse effects None known

13. SECTION 13: DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods Do not empty into drains; dispose of this material and its container in a safe way.
13.2 Additional Information Dispose of contents in accordance with local, state or
national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number  3082
14.2 UN proper shipping name  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)
14.3 Class  9 Packing group III

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations
REACH Registration No.  Polymer exempt.
Candidate List of Substances of Very High Concern for Authorisation
Possible trace amounts of: (<0.05%):
Octamethylcyclotetrasiloxane (CAS# 556-67-2)
Decamethylcyclopentasiloxane (CAS# 541-02-6)
Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

15.2 International Inventories

<table>
<thead>
<tr>
<th>Country</th>
<th>Listed</th>
<th>Not Listed</th>
<th>Polymer exempt</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States (TSCA)</td>
<td>✓</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
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<td></td>
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<td>European Union (EINECS/ELINCS)</td>
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<td>Australia (AICS)</td>
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<td>China (IECSO)</td>
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<td>New Zealand (NZIoC)</td>
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<td></td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td></td>
<td>X</td>
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</tr>
</tbody>
</table>

15.3 National regulations
United States (TSCA)  TSCA Inventory Status: All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules).
HMIS (Hazardous Material Information System)
NFPA Rating  H = 2 / F = 1 / R = 1

15.4 US State Regulations
15.4.1 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM
Specific Listing(s) not required
Possible trace amounts of:
Ethylene Oxide (CAS# 75-21-8) < 1 ppm

15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER
Specific Listing(s) not required
Possible trace amounts of:
Ethylene Oxide (CAS# 75-21-8) < 1 ppm
1,4-Dioxane (CAS# 123-91-1) < 1 ppm

15.4.3 State Right to Know Lists
Specific Listing(s) not required
Possible trace amounts of:
Ethylene Oxide (CAS# 75-21-8) < 1 ppm
1,4-Dioxane (CAS# 123-91-1) < 1 ppm
SECTION 16: OTHER INFORMATION

LEGEND

- LTEL: Long Term Exposure Limit
- STEL: Short Term Exposure Limit
- STOT: Specific Target Organ Toxicity
- DNEL: Derived No Effect Level
- PNEC: Predicted No Effect Concentration
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative

References:

Hazard statement(s) and Precautionary statement(s)
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
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P337+P313: If eye irritation persists: Get medical advice/attention.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.

Hazard pictogram(s) and Hazard Symbol

- GHS07
- GHS09

Additional Information

Disclaimers

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