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

1.1 Product Identifier
Product Name: Siltech E-2221
Product code: 6257.1
Chemical Name: Mixture
CAS No.: 67762-90-7 / 7732-18-5 / 24938-91-8 / 78330-20-8
Alternative names (INCI): Simethicone

1.2 Recommended use of the chemical and restrictions on use
Identified use(s): Anti-foamer (defoamer)
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
Acute Tox. 4 - Oral
Eye Dam. 1

2.2 Label elements
Product Name: Siltech E-2221
Symbol: 

Signal word(s): Danger
Hazard statement(s): H302: Harmful if swallowed.
H318: Causes serious eye damage.
P262: Do not get in eyes, on skin, or on clothing.
Precautionary statement(s): 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.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container to: Observe Local
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>Polyethylene glycol monocritidecyl ether</td>
<td>tridecyl alcohol ethoxylate</td>
<td>2 - 5</td>
<td>24938-91-8</td>
<td>607-463-3</td>
<td>GHS05, GHS07, H302, H318</td>
</tr>
<tr>
<td>Alcohols, C9-11-iso-, C10-rich, ethoxylated</td>
<td>isodecyl alcohol ethoxylate</td>
<td>1 - 3</td>
<td>78330-20-8</td>
<td>616-607-4</td>
<td>GHS05, GHS07, H302, H318</td>
</tr>
</tbody>
</table>

4. **SECTION 4: FIRST AID MEASURES**

4.1 **Description of first aid measures**

- **Inhalation**: Unlikely to be required but if necessary treat symptomatically.
- **Skin Contact**: Remove contaminated clothing immediately and wash affected skin with soap and water.
- **Eye Contact**: If substance has got into the eyes, immediately wash out with plenty of water for several minutes.
- **Ingestion**: If swallowed, seek medical advice immediately and show this container or label.

4.2 **Most important symptoms and effects, both acute and delayed**: Not available.

4.3 **Indication of any immediate medical attention and special treatment needed**: Unlikely to be required but if necessary treat symptomatically.

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**: None known

5.2 **Special hazards arising from the substance or mixture**: Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

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
7.2 Conditions for safe storage, including any incompatibilities

- **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/PERSONAL 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>
</tr>
</thead>
<tbody>
<tr>
<td>None assigned</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</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.

8.2.2 Personal protection equipment

- **Eye/face protection**: Wear protective eyewear (goggles, face shield, or safety glasses).
- **Skin protection (Hand protection/ Other)**: Wear suitable gloves if prolonged skin contact is likely.
- **Respiratory protection**: No personal respiratory protective equipment normally required.
- **Thermal hazards**: None.

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**: Liquid, Opaque.
- **Odour**: Perceptible odour.
- **Odour Threshold**: Not available.
- **pH**: 7.0 – 8.0
- **Melting Point/Freezing Point**: Not available.
- **Initial boiling point and boiling range**: >100°C @ 760mmHg
- **Flash point (PMCC)**: >100°C
- **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 (25°C)**: 1.00
- **Solubility(ies)**: Dispersible in water.
- **Partition coefficient: n-octanol/water**: Not available.
- **Auto-ignition temperature**: Not available.
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  None known.
10.5 Incompatible materials  Oxidizing agents.
10.6 Hazardous Decomposition Product(s)  Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
   Acute toxicity
   Ingestion  May be harmful if swallowed.
   Inhalation  Low toxicity under normal conditions of handling and use.
   Skin Contact  None anticipated
   Eye Contact  Causes serious eye damage.
   Effects and Symptoms
   skin corrosion/irritation  Not classified
   Serious eye damage/irritation  Causes serious eye damage.
   Respiratory or skin sensitization  Not classified
   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 DOT / TDG / Road/Rail (ADR/RID)  Not classified as hazardous for road transport.
14.2 Air (ICAO/IATA)  Not classified as hazardous for air transport.
14.3 Sea (IMDG)  Not classified as hazardous for marine transport.
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: (<0.005%)  
Octamethylcyclotetrasiloxane (CAS# 556-67-2)  
Decamethylcyclopentasiloxane (CAS# 541-02-6)  
Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

15.3 **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>
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<tr>
<td>Canada (DSL/NDSL)</td>
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<tr>
<td>European Union (EINECS/ELINCS)</td>
<td>✔️</td>
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<tr>
<td>Australia (AICS)</td>
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<td>China (IECSO)</td>
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<td>Japan (ENCS)</td>
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<td>Taiwan (TCSI)</td>
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<td>New Zealand (NZIoC)</td>
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<tr>
<td>Philippines (PICCS)</td>
<td>✔️</td>
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</tbody>
</table>

15.4 **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 = 1 / F = 0 / R =0

15.5 **US State Regulations**

15.5.1 **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**

15.5.2 **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**

15.5.3 **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**

16. **SECTION 16: OTHER INFORMATION**

Revision: **October 10, 2018**

**LEGEND**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTEL</td>
<td>Long Term Exposure Limit</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limit</td>
</tr>
<tr>
<td>STOT</td>
<td>Specific Target Organ Toxicity</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No Effect Level</td>
</tr>
</tbody>
</table>

Revision: 4  
Page: 5/6  
Date: 10/10/2018
PNEC | Predicted No Effect Concentration
---|---
PBT | Persistent, Bioaccumulative and Toxic
vPvB | very Persistent and very Bioaccumulative

References:

**Hazard statement(s) and Precautionary statement(s)**
- H302: Harmful if swallowed.
- H318: Causes serious eye damage.
- P262: Do not get in eyes, on skin, or on clothing.
- P264: Wash hands and exposed skin thoroughly after handling.
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- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Hazard pictogram(s) and Hazard Symbol**

- GHS05
- GHS07

**Training advice:**

**Additional Information**

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