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

1.1 Product identifier
   Product Name: Siltech E-5050
   Product code: 6113.5
   Chemical Name: Mixture
   CAS No.: 92329-4-6 / 13475-82-6 / 60828-78-6 / 7732-18-5

1.2 Recommended use of the chemical and restrictions on use
   Identified use(s): Coatings
   Additive
   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 Wolfdale 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
   Flammable Liquid Category 4
   Eye damage, category 1
   Skin sensitization Category 1

2.2 Label elements
   Product Name: Siltech E-5050
   Symbol
   Signal word(s): Danger
   Hazard statement(s):
   H227: Combustible liquid.
   H317: May cause an allergic skin reaction.
   H318: Causes serious eye damage.
   P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

   Precautionary statement(s):
   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.
   P302+P352: IF ON SKIN: Wash with plenty of water.
   P303+P361: IF SKIN IRRITATION or rash occurs: Get medical advice/attention.
   P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and
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>2,2,4,6,6-pentamethylethane</td>
<td>Isododecane</td>
<td>20 - 40</td>
<td>13475-82-6</td>
<td>236-757-0</td>
<td>GHS02, GHS08 H226, H304, H413</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl).alpha- [3,5-dimethyl-1-(2-methylpropyl) hexyl]-omega-hydroxy-</td>
<td>Polyethylene glycol mono (3,5-dimethyl-1-isobutyl/hexyl) ether</td>
<td>3 - 5</td>
<td>60828-78-6</td>
<td>612-043-8</td>
<td>GHS05 H315, H318</td>
</tr>
<tr>
<td>2-methyl-2H-isothiazol-3-one</td>
<td>MIT</td>
<td>0.004-0.005</td>
<td>2682-20-4</td>
<td>220-239-6</td>
<td>GHS09, GHS05, GHS06 H301, H311, H314, H317, H330, H400, H410</td>
</tr>
<tr>
<td>1,2-benzisothiazol-3(2H)-one</td>
<td>BIT</td>
<td>0.004 – 0.005</td>
<td>2634-33-5</td>
<td>220-120-9</td>
<td>GHS09, GHS05, GHS07 H302, H315, H317, H318, H400</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.

Skin Contact
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

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

Ingestion
If swallowed, seek medical advice immediately and show this container or label. DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage. Repeated and/or prolonged contact may cause skin sensitisation.

4.3 Indication of any immediate medical attention and special treatment needed

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. Eliminate all ignition sources if safe to do so.

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. Ground/bond container and receiving equipment.

7.2 Conditions for safe storage, including any incompatibilities
Store in a tightly closed container. Keep away from flames and hot surfaces.

7.3 Specific end use(s)
Industrial use

7.4 Storage Temperature
Ambient

7.5 Storage Life
Stable under normal conditions.

7.6 Incompatible materials
Oxidizing agents

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 known</td>
<td></td>
<td></td>
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<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.

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
In case of inadequate ventilation wear respiratory protection.

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 (Milky white)
Odour: Faint.
Odour Threshold: Not available.
P: 4.0 – 7.5
Melting Point/Freezing Point: Not available.
Initial boiling point and boiling range: Not available.
Flash point (PMCC): 71°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.
Decomposition Temperature: Not available.
Viscosity (25°C): 1000 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: 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: May be harmful if inhaled.
   Skin Contact: May disturb the skin.
   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: May cause sensitization by skin contact.
   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 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.

14.4 DOT / CFR (US Department of Transportation)
UN number: 1993
DOT Proper Shipping Name: Combustible liquid, N.O.S. (Isododecane solution)
Class: 3 Packing group III
(Applicable only to containers > 119 gallons or 450 L)

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations
REACH Registration No.: Polymer exempt.
Candidate List of Substances of Very High Concern for Authorisation:
- Octamethylocyclotetrasiloxane (CAS# 556-67-2)
- Decamethyloclopetasiloxane (CAS# 541-02-6)
- Dodecamethyloclohexasiloxane (CAS# 540-97-6)

Contains:
- Dibutyltin dilaurate (CAS# 77-58-7) < 0.015%
- 2-methyl-2H-isothiazol-3-one (CAS# 2682-20-4) 0.004 – 0.005%
- 1,2-benzisothiazol-3(2H)-one (CAS# 2634-33-5) 0.004 – 0.005%

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>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
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<td></td>
<td></td>
</tr>
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<td>European Union (EINECS/ELINCS)</td>
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<td></td>
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<tr>
<td>Australia (AICS)</td>
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<tr>
<td>China (IECSC)</td>
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<td>Japan (ENCS)</td>
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<td>South Korea (KECI)</td>
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<tr>
<td>Taiwan (TCSI)</td>
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<tr>
<td>New Zealand (NZIoC)</td>
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<td></td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

15.4 National regulations
- United States (TSCA): This product is for R&D purposes only.
- HMIS (Hazardous Material Information System): H = 1 / F = 1 / R = 0
- NFPA Rating: H = 1 / F = 1 / 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
None known.

15.5.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER
None known.

15.5.3 State Right to Know Lists
None known.
16. SECTION 16: OTHER INFORMATION

Revision: April 03, 2019

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>
<tr>
<td>PNEC</td>
<td>Predicted No Effect Concentration</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
</tr>
</tbody>
</table>

Hazard statement(s) and Precautionary statement(s)

H227: Combustible liquid.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to: Observe Local Regulations.

Hazard pictogram(s) and Hazard Symbol

![GHS05](image1.png) ![GHS07](image2.png)

Additional Information

Disclaimers

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