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

1.1 **Product identifier**
- **Product Name**: Silamine DG-50
- **Product code**: 6006
- **Chemical Name**: Mixture
- **CAS No.**: 71750-80-6 / 8052-41-3 / 67-63-0

1.2 **Recommended use of the chemical and restrictions on use**
- **Identified use(s)**: Coatings, Additive
- **Uses advised against**: Not available

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**
- Flam. Liq. 2
- Eye Irrit. 2
- Skin Irrit. 2
- STOT SE 3 - Inhalation
- Asp. Tox. 1
- Aquatic Chronic 2

2.2 **Label elements**
- **Product Name**: Silamine DG-50
- **Symbol**: DANGER

- **Signal word(s)**: H225: Highly flammable liquid and vapour.
- **Hazard statement(s)**: H304: May be fatal if swallowed and enters airways.
- **Precautionary statement(s)**: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **P240**: Ground/bond container and receiving equipment.
- **P241**: Use explosion-proof electrical/ventilating/lighting/equipment.
- **P242**: Use only non-sparking tools.
- **P243**: Take precautionary measures against static...
discharge.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands and exposed skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to: Observe Local Regulations.

2.3 Other hazards

Methanol may form on contact with water or humid air.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<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>Stoddard Solvent</td>
<td>Mineral Spirits</td>
<td>30 - 40</td>
<td>8052-41-3</td>
<td>232-489-3</td>
<td>GHS02, GHS07, GHS08, GHS09, H226, H304, H315, H336, H411</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>Isopropanol</td>
<td>20 - 30</td>
<td>67-63-0</td>
<td>200-661-7</td>
<td>GHS02, GHS07, H225, H319, H336</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 inhaled, give oxygen or artificial respiration, call a physician.

**Skin Contact**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation 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. If eye irritation persists, get medical advice/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

None known.

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. Ground/bond container and receiving equipment. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable.

7.2 Conditions for safe storage, including any incompatibilities
Store in a tightly closed container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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>STEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>8052-41-3</td>
<td>500</td>
<td>100</td>
<td>400</td>
<td>984</td>
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<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>200</td>
<td>492</td>
<td>400</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.

8.2.2 Personal protection equipment
Eye/face protection
Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)
Wear impervious gloves (EN374).
9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
- Appearance: Colourless to yellowish liquid.
- Odour: Characteristic
- Odour Threshold: Not available.
- pH: Not available.
- Melting Point/Freezing Point: Not available.
- Initial boiling point and boiling range: Not available.
- Flash point (PMCC): 13°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): 0.876
- Solubility(ies): Insoluble in water.
- Partition coefficient: n-octanol/water: Not available.
- Auto-ignition temperature: Not available.
- Decomposition Temperature: Not available.
- Viscosity (25°C): 100 – 200 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: Methanol may form on contact with water or humid air.
10.4 Conditions to avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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 fatal if swallowed.
- Inhalation: May be harmful if inhaled.
- Skin Contact: Causes skin irritation.
- Eye Contact: Causes serious eye irritation.

Effects and Symptoms
- skin corrosion/irritation: Repeated and/or prolonged skin contact may cause irritation.
- Serious eye damage/irritation: Causes serious eye irritation.
- Respiratory or skin sensitization: Not classified.
Germ cell mutagenicity Not classified
Carcinogenicity Not classified
Reproductive toxicity Not classified
STOT - single exposure STOT SE 3: Inhalation
   The vapour may have narcotic effect.
STOT - repeated exposure Not classified
Aspiration hazard Aspiration hazard Category 1
Delayed and chronic effects Not available.
Calculated acute toxicity estimate (ATE) Not available.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity Toxic to aquatic life with long lasting effects.
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 1993
14.2 UN Proper Shipping Name FLAMMABLE LIQUIDS N.O.S. (Mineral Spirits / Isopropanol solution)
14.3 Transport hazard class(es) 3 Packing group II
14.4 Environmental hazards

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations
   REACH Registration No. Polymer exempt / Not available.
   Candidate List of Substances of Very High Concern for Authorisation Possible trace amounts of: < 0.01
   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>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
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<tr>
<td>Australia (AICS)</td>
<td>✓</td>
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<tr>
<td>China (IECSC)</td>
<td>✓</td>
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<td>Japan (ENCSC)</td>
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<td>South Korea (KECI)</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>
<td></td>
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</tr>
</tbody>
</table>

15.3 National regulations
   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

15.4 US State Regulations

15.4.1 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM

None known.

15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER

Specific Listing(s) not required

Possible trace amounts of:

- Cumene (CAS# 98-82-8)
- Ethylbenzene (CAS# 100-41-4)

15.4.3 State Right to Know Lists

Specific Listing(s) not required

Possible trace amounts of:

- Isopropanol (CAS# 67-63-0) 20 – 30%
- Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 100 ppm
- Xylene (CAS# 1330-20-7)
- Cumene (CAS# 98-82-8)
- Ethylbenzene (CAS# 100-41-4)

16. SECTION 16: OTHER INFORMATION

Revision: January 27, 2020

Hazard statement(s) and Precautionary statement(s)

H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.
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P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to: Observe Local Regulations.

Hazard pictogram(s)

GHS01 GHS07 GHS08 GHS09

Disclaimers

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