# SAFETY DATA SHEET

**WHMIS 2015 • OSHA HCS (29 CFR 1910.1200) • NOM-018-STPS-2015**

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

**1.1 Product identifier**

| | |
|---|---|
| Product Name | **Siltech AG-64** |
| Product code | 2002.2 |
| Chemical Name | Mixture |
| CAS No. | 67674-67-3 / 27274-31-3 / 25322-68-3 |

**1.2 Recommended use of the chemical and restrictions on use**

| | |
|---|---|
| Identified use(s) | Additive Surface active agent.<br>PC22 Lawn and Garden Preparations, including fertilizers<br>PC27 Plant protection products |
| Uses advised against | Not available. |

**1.3 Details of the supplier of the Safety Data Sheet**

| | |
|---|---|
| Company Identification | Siltech Corp<br>225 Wicksteed Ave<br>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<br>3265 Wolfedale Road<br>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**<br>**+1-613-996-6666** |

## 2. SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

**Acute Tox. 4 - Inhalation**
**Serious eye damage/irritation 1**
**Aquatic Chronic 2**

**2.2 Label elements**

Product Name: **Siltech AG-64**

Symbols



Signal word(s): **Danger**

Hazard statement(s):
H332: Harmful if inhaled.
H318: Causes serious eye damage.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statement(s):
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician 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.
P337+P313: If eye irritation persists: Get medical advice/attention.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container to: Observe Local Regulations.

**2.3** Other hazards — None known

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1** Mixtures

| Hazardous ingredient(s) | Synonym(s) | %W/W | CAS No. | EC No. | Hazard pictogram(s) and Hazard statement(s) |
|---|---|---|---|---|---|
| Poly(oxy-1,2-ethanediyl), alpha.-[3-[1,3,3,3-tetramethyl-1-[(trimethyl silyl)oxy]disiloxanyl]propyl] -.omega.-hydroxy- | 3-(Polyoxyethylene) propyl-heptamethyl trisiloxane | > 60 | 67674-67-3 | Not applicable | GHS05, GHS07,GHS09 H318,H332, H411 |
| Poly(oxy-1,2-ethanediyl), alpha.-2-propen-1-yl- .omega.-hydroxy- | Polyethylene glycol monoallyl ether | 15 - 40 | 27274-31-3 | Not applicable | Not classified |
| Polyethylene glycol | PEG | < 9.0 | 25322-68-3 | 500-038-2 | Not classified |

## 4. SECTION 4: FIRST AID MEASURES



**4.1 Description of first aid measures**

Inhalation — Remove person to fresh air and keep comfortable for breathing. If inhaled, give oxygen or artificial respiration, call a physician.

Skin Contact — Unlikely to be required but if necessary treat symptomatically.

Eye Contact — If substance has got into the eyes, immediately wash out with plenty of water for several minutes.

Ingestion — If swallowed, do not induce vomiting: 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 foam, water spray or fog to extinguish. Keep containers cool by spraying with water if exposed to fire.

Unsuitable Extinguishing Media — Dry Chemical

**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 chemicals are applicable. |
| **7.2** | **Conditions for safe storage, including any incompatibilities** | Store in a tightly closed container. Keep away from strong oxidizing substances. |
| | 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**

| SUBSTANCE | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m³) | STEL (ppm) | STEL (mg/m³) | Note |
|---|---|---|---|---|---|---|
| None assigned | | | | | | |

| | | |
|---|---|---|
| **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. Plastic or rubber gloves |
| | Respiratory protection  | Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved. |
| | 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 | Colourless to yellowish liquid. |
| | Odour | Faint. |

| | |
|---|---|
| Odour Threshold | Not available. |
| pH | Not available. |
| Melting Point/Freezing Point | Not available. |
| Initial boiling point and boiling range | >100ºC @ 760mmHg |
| Flash point (PMCC) | >100ºC |
| 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 (25ºC) | 1.07 |
| Solubility(ies) | Dispersible in water. |
| Partition coefficient: n-octanol/water | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition Temperature | Not available. |
| Viscosity (25ºC) | 40 – 100 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** | Protect from moisture. |
| **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** | **CAS# 67674-67-3** |
|---|---|
| Ingestion | LD50 (oral,rat) mg/kg: > 5050 |
| Inhalation | LC50 (inhalation) mg/l/4h: 2.3 (rabbit) |
| Skin Contact | LD50 (skin,rabbit) mg/kg: 2000 – 5000 |
| Eye Contact | Causes serious eye damage. |

| **Effects and Symptoms** | |
|---|---|
| **skin corrosion/irritation** | Not classified |
| **Serious eye damage/irritation** | Causes serious eye damage. Possible risk of irreversible effects. |
| **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** | Toxic to aquatic life with long lasting effects. |
| **12.2** | **Persistence and degradability** | This substance is predicted to degrade in soil and water. |
| **12.3** | **Bioaccumulative potential** | The substance has low potential for bioaccumulation. |
| **12.4** | **Mobility in soil** | The substance is predicted to have low mobility in soil. |
| **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. (3-(Polyoxyethylene)propylheptamethyltrisiloxane)

**14.3 Transport hazard class(es)** — 9

**14.4 Packing Group** — III

**14.5 Environmental hazards** — Marine Pollutant



## 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: < 0.01%<br>Octamethylcyclotetrasiloxane (CAS# 556-67-2)<br>Decamethylcyclopentasiloxane (CAS# 541-02-6)<br>Dodecamethylcyclohexasiloxane (CAS# 540-97-6) |

**15.2 International Inventories**

| Country | Listed | Not listed | Polymer exempt | Other |
|---|---|---|---|---|
| United States (TSCA) | ✓ | | | |
| Canada (DSL/NDSL) | DSL✓ | | | |
| European Union (EINECS/ELINCS) | | | ✓ | |
| Australia (AICS) | ✓ | | | |
| China (IECSC) | ✓ | | | |
| Japan (ENCS) | ✓ | | | |
| South Korea (KECI) | ✓ | | | |
| Taiwan (TCSI) | ✓ | | | |
| New Zealand (NZIoC) | ✓ | | | |
| Philippines (PICCS) | ✓ | | | |

**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) — **H = 1 / F = 1 / R = 0**

NFPA Rating — **H = 1 / F = 1 / R = 0**

**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) < 1ppm**

**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) < 1ppm**
**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:
**Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 100 ppm**

**Ethylene Oxide (CAS# 75-21-8) < 1ppm**
**1,4-Dioxane (CAS# 123-91-1) < 1 ppm**

## 16. SECTION 16: OTHER INFORMATION

Revision: **October 18, 2019**

**Hazard statement(s) and Precautionary statement(s)**
H332: Harmful if inhaled.
H318: Causes serious eye damage.
H411: Toxic to aquatic life with long lasting effects.
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.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician 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.
P337+P313: If eye irritation persists: Get medical advice/attention.
**Hazard pictogram(s)**



**GHS05 GHS07 GHS09**

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