




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 E-5050 |
| Product code | 6113.5 |
| Chemical Name | Mixture |
| CAS No. | 923294-06-8 / 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 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 | |
| | 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. 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. 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 |
| Precautionary statement(s) | |

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.
None known

2.3 Other hazards

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) |
|---|---|----------------|------------|-----------|---|
| 2,2,4,6,6-pentamethylheptane | Isododecane | 20 - 40 | 13475-82-6 | 236-757-0 | GHS02, GHS08 H226, H304, H413 |
| Poly(oxy-1,2-ethanediyl), .alpha-[3,5-dimethyl-1-(2-methylpropyl) hexyl]-.omega.-hydroxy- | Polyethylene glycol mono (3,5-dimethyl-1-isobutylhexyl) ether | 3 - 5 | 60828-78-6 | 612-043-8 | GHS05 H315, H318 |
| 2-bromo-2-nitropropane-1,3-diol | bronopol | 0.016 – 0.018 | 52-51-7 | 200-143-0 | GHS09, GHS05, GHS07 H302, H312, H315, H318, H335, H400 |
| 5-Chloro-2-methyl-3(2H)-isothiazolone mixt. with 2-methyl-3(2H)-isothiazolone | CMIT/MIT | 0.002 – 0.0025 | 55965-84-9 | 611-341-5 | GHS09, GHS05, GHS06 H301, H311, H314, H317, H331, H400, H410 |

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.
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/m ³) | STEL (ppm) | STEL (mg/m ³) | Note |
|------------|---------|---------------------|------------------------------------|------------|---------------------------|------|
| None known | | | | | | |

- 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. |
| pH | 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.
Not classified as hazardous for rail 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)** **(Applicable only to containers > 119 gallons or 450 L)**
UN number 1993
DOT Proper Shipping Name Combustible liquid, N.O.S. (Isododecane solution)
Class 3 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: (<0.1%)
Octamethylcyclotetrasiloxane (CAS# 556-67-2)
Decamethylcyclopentasiloxane (CAS# 541-02-6)
Dodecamethylcyclohexasiloxane (CAS# 540-97-6)
- Contains: Dibutyltin dilaurate (CAS# 77-58-7) < 0.015%
2-bromo-2-nitropropane-1,3-diol (CAS# 52-51-7) 0.016 – 0.018%
3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone (CAS# 55965-84-9) 0.002 – 0.0025%

15.3 International Inventories

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

- 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: **January 16, 2019**

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 |

Hazard statement(s) and Precautionary statement(s)

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H318: Causes serious eye damage.

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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.

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

GHS07

Additional Information

Disclaimers

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