




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-2231**
Product code 6258.1
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-2231**
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.
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
- Precautionary statement(s)

- 2.3 Other hazards Regulations.
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)
Polyethylene glycol monotridecyl ether	tridecyl alcohol ethoxylate	2 - 6	24938-91-8	607-463-3	GHS05, GHS07 H302, H318
Alcohols, C9-11-iso-, C10-rich, ethoxylated	isodecyl alcohol ethoxylate	2 - 4	78330-20-8	616-607-4	GHS05, GHS07 H302, H318

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: chemicals are applicable.
 Storage Life: Store in a tightly closed container.
 Incompatible materials: Ambient
 Stable under normal conditions.
 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 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.
- 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.

Decomposition Temperature	Not available.
Viscosity (25°C)	500 - 2000 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	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. 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.

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

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)	✓			

15.4 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
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

LTEL Long Term Exposure Limit
STEL Short Term Exposure Limit
STOT Specific Target Organ Toxicity
DNEL Derived No Effect Level

Product: **Siltech E-2231**

SDS #: **6258.1**

PNEC Predicted No Effect Concentration
PBT Persistent, Bioaccumulative and Toxic
vPvB very Persistent and very Bioaccumulative

References:

Hazard statement(s) and Precautionary statement(s)

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Hazard pictogram(s) and Hazard Symbol



Training advice:

Additional Information

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