



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 CE-2000**
Product code 8002
Chemical Name 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, 1,2,3-tris(2-octyldodecyl) ester
CAS No. 126121-35-5
Alternative names (INCI) Trioctyldodecyl Citrate
- 1.2 Recommended use of the chemical and restrictions on use**
Identified use(s) PC39 Cosmetics, personal care products
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) marsha.carter@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. **CANUTEC - TELEPHONE: EMERGENCY USE ONLY**
+1-613-996-6666

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture** **Aquatic Chronic 4**
- 2.2 Label elements**
Product Name **Siltech CE-2000**
Symbol NONE
Signal word(s) NONE
Hazard statement(s) H413: May cause long lasting harmful effects to aquatic life.
Precautionary statement(s) P273: Avoid release to the environment.
P501: Dispose of contents/container to: Observe Local Regulations.
- 2.3 Other hazards** None known

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| Hazardous ingredient(s) | Synonym(s) | %W/W | CAS No. | EC No. | Hazard pictogram(s) and Hazard statement(s) |
|---|-------------------------|------|-------------|-----------|---|
| 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, 1,2,3-tris(2-octyldodecyl) ester | Trioctyldodecyl Citrate | >99 | 126121-35-5 | 603-121-2 | H413 |

4. SECTION 4: FIRST AID MEASURES



- 4.1 Description of first aid measures**
- | | |
|--------------|--|
| Inhalation | Remove person to fresh air and keep comfortable for breathing. |
| Skin Contact | Gently wash with plenty of 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** 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** Carbon oxides may be formed.
- 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.
- | | |
|------------------------|---------------------------------|
| 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 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

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 | 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 | >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) | 0.89 |
| Solubility(ies) | Insoluble in water. |
| Partition coefficient: n-octanol/water | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition Temperature | Not available. |
| Viscosity (25°C) | Not available. |
| 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) | Carbon oxides may be formed. |

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

| | |
|--------------|---|
| Ingestion | LD50 (oral,rat) mg/kg: > 5000 |
| Inhalation | Low toxicity under normal conditions of handling and use. |
| Skin Contact | LD50 (skin,rat) mg/kg: > 2000 |
| Eye Contact | None anticipated |

Effects and Symptoms

| | |
|--|----------------|
| skin corrosion/irritation | Not classified |
| Serious eye damage/irritation | Not classified |
| 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 | May cause long lasting harmful effects to aquatic life. |
| 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. | 01-2120771836-41-0001 |

15.2 International Inventories

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

15.3 National regulations

| | |
|--|------------------------------|
| United States (TSCA) | Personal Care exempt |
| 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 None known.
- 15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER None known.
- 15.4.3 State Right to Know Lists None known.

16. SECTION 16: OTHER INFORMATION

Revision: **April 13, 2023**

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)

H413: May cause long lasting harmful effects to aquatic life.
P273: Avoid release to the environment.
P501: Dispose of contents/container to: Observe Local Regulations.

Hazard pictogram(s) and Hazard Symbol

NONE

Additional Information

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Siltech Corp. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Siltech Corp. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.