



VELTEK ASSOCIATES, INC.

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272
Issue date: 2/2/2006 Revision date: 6/25/2026 Supersedes: 8/24/2023 Version: 10.1

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : STERI-SILICON®
Product code : SDS SIL-01112

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Sterile emulsion based silicon spray lubricant
Restrictions on use : For professional use only

1.4. Supplier's details

Veltek Associates, Inc.
15 Lee Blvd
Malvern, PA 19355-1234 USA
Telephone: +1 610-644-8335
E-mail: vai@sterile.com

In Canada distributed by:
Canada Clean Room (CCR)
20 Cope Dr.
Kanata, ON K2M 2V8, Canada
Telephone: 1-(888)-595-8070

1.5. Emergency phone number

Emergency number : CARECHEM 24: 1-215-207-0061
1-866-928-0789 (toll free USA)
Canada: 1-800-579-7421 (toll free)
Mexico: +52-55-5004-8763

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable aerosol, Category 2	H223	Flammable aerosol.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.
Simple asphyxiant	SIAS	May displace oxygen and cause rapid suffocation.
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411	Toxic to aquatic life with long lasting effects.

Full text of H statements : see section 16

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H223 - Flammable aerosol
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects
May displace oxygen and cause rapid suffocation

Precautionary statements (GHS US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use
P261 - Avoid breathing vapors.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear Long sleeved clothing, eye protection, protective gloves.
P301+P310 - If swallowed: Immediately call a doctor.
P331 - Do NOT induce vomiting.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P332+P313 - If skin irritation occurs: Get medical advice/attention..
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a doctor if you feel unwell.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).
P501 - Dispose of contents/container to an authorized waste collection point.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	70 - 80	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Polydimethylsiloxane	CAS-No.: 63148-62-9	7 - 12	Not classified
White mineral oil (petroleum)	CAS-No.: 8042-47-5	8 - 12	Not classified
Carbon dioxide	CAS-No.: 124-38-9	< 1	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If symptoms develop obtain medical attention.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth. Obtain immediate medical attention.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: May cause slight irritation to eyes.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Dry chemical. Foam. Carbon dioxide. Water.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: Flammable aerosol. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.
Explosion hazard	: May form flammable/explosive vapor-air mixture. Pressurized container: may burst if heated.
Hazardous decomposition products in case of fire	: In case of fire product can release: Carbon dioxide. Carbon monoxide. Silicon oxides.

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

5.3. Special protective equipment and precautions for fire-fighters

- | | |
|--------------------------------|---|
| Firefighting instructions | : Use water for cooling exposed containers. Move containers from fire area if you can do it without risk. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire. |

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- | | |
|----------------------|--|
| Emergency procedures | : Remove all sources of ignition. Ventilate area. Avoid contact with eyes, skin and clothing. Avoid inhaling vapor and/or mists. Evacuate unnecessary personnel. |
|----------------------|--|

For emergency responders

- | | |
|---------------------------|---|
| Protective equipment | : Use personal protective equipment as required. See Section 8. |
| Emergency procedures | : Remove all sources of ignition. Use only non-sparking tools. Ventilate area. Avoid inhaling vapor and/or mists. Avoid contact with eyes, skin and clothing. |
| Environmental precautions | : Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters. |

6.2. Methods and materials for containment and cleaning up

- | | |
|-------------------------|---|
| For containment | : Stop leak, if possible without risk. Dam up the liquid spill. |
| Methods for cleaning up | : Use only non-sparking tools. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Wash spill area with soapy water. Store away from other materials. |

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- | | |
|-----------------------------------|--|
| Precautions for safe handling | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: may burst if heated. Do not pierce or burn, even after use. Take precautionary measures against static discharge. The vapor is heavier than air, spreads along the ground and distant ignition is possible. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid inhaling vapor and/or mists. Use only non-sparking tools. |
| Hygiene measures | : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off contaminated clothing and wash it before reuse. |
| Additional hazards when processed | : Handle empty containers with care because residual vapors are flammable. |

7.2. Conditions for safe storage, including incompatibilities

- | | |
|------------------------|---|
| Incompatible materials | : Strong oxidizing agents. Strong acids. |
| Specific end uses | : Sterile Emulsion Based Silicon Spray Lubricant. |

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

White mineral oil (petroleum) (8042-47-5)	
USA - ACGIH® - Threshold Limit Values	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
ACGIH TWA (mg/m³)	5 mg/m³ (I - Inhalable particulate matter)
Remark (ACGIH®)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Oil mist, mineral
OSHA PEL (TWA) (mg/m³)	5 mg/m³ Mist
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Canada (Alberta) - Occupational Exposure Limits	
Local name	Oil mist, mineral
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Mineral oil (mist) (Oil mist, mineral) - Pure, highly and ultra-refined
VEMP (OEL TWA EV)	5 mg/m³ Id
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Oil mist - mineral
OEL TWA	0.2 mg/m³ mildly refined 1 mg/m³ severely refined
Notations and remarks	Mildly refined: IARC group 1 carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
OEL TWA	5 mg/m³ (I - Inhalable particulate matter)
Notations and remarks	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
OEL TWA	5 mg/m³ (I - Inhalable particulate matter)
Notations and remarks	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

White mineral oil (petroleum) (8042-47-5)	
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
OEL TWA	5 mg/m³ (I - Inhalable particulate matter)
Notations and remarks	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Oil mist, mineral
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Oil mist, mineral
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
OEL TWA	5 mg/m³ (I - Inhalable particulate matter)
Notations and remarks	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Yukon) - Occupational Exposure Limits	
Local name	Oil mist, mineral
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Yukon Occupational Health Regulations O.I.C. 1986/164
Carbon dioxide (124-38-9)	
USA - ACGIH® - Threshold Limit Values	
Local name	Carbon dioxide
ACGIH TWA (mg/m³)	9000 mg/m³
ACGIH TWA (ppm)	5000 ppm
ACGIH® TLV® STEL	54000 mg/m³
ACGIH STEL (ppm)	30000 ppm
Remark (ACGIH®)	Asphyxia
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Carbon dioxide

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Carbon dioxide (124-38-9)	
OSHA PEL (TWA) (mg/m³)	9000 mg/m³
OSHA PEL TWA	5000 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Carbon dioxide
NIOSH REL 10h TWA	5000 ppm
NIOSH REL (STEL)	30000 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
Canada (Alberta) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m³
OEL TWA	5000 ppm
OEL STEL	54000 mg/m³
OEL STEL	30000 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Carbon dioxide
VECD (OEL STEV)	54000 mg/m³
VECD (OEL STEV)	30000 ppm
VEMP (OEL TWA EV)	9000 mg/m³
VEMP (OEL TWA EV)	5000 ppm
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	5000 ppm
OEL STEL	15000 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m³
OEL TWA	5000 ppm
OEL STEL	54000 mg/m³
OEL STEL	30000 ppm
Notations and remarks	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2025

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Carbon dioxide (124-38-9)	
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m ³
OEL TWA	5000 ppm
OEL STEL	54000 mg/m ³
OEL STEL	30000 ppm
Notations and remarks	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m ³
OEL TWA	5000 ppm
OEL STEL	54000 mg/m ³
OEL STEL	30000 ppm
Notations and remarks	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	5000 ppm
OEL STEL	30000 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	5000 ppm
OEL STEL	30000 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWAEV	5000 ppm
OEL TWAEV	30000 ppm
Regulatory reference	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Control of exposure to biological or chemical agents
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m ³
OEL TWA	5000 ppm
OEL STEL	54000 mg/m ³

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Carbon dioxide (124-38-9)	
OEL STEL	30000 ppm
Notations and remarks	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	5000 ppm
OEL STEL	30000 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

8.2. Appropriate engineering controls

Appropriate engineering controls	: Provide good ventilation in process area to prevent formation of vapor. Provide for appropriate exhaust ventilation at places of vapors accumulation. Emergency eye wash stations should be available in the immediate vicinity of any potential exposure if required by regulation.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:
Wear chemically resistant protective gloves. Hand Protection in accordance with 29 CFR 1910.138 & ANSI/ISEA 105-2016. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.
Eye protection:
Safety glasses. Eye Protection in accordance with 29 CFR 1910.133 & ANSI/ISEA Z87.1-2020
Skin and body protection:
Long sleeved clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. If case of insufficient oxygen, thoroughly ventilate the area or wear self-contained breathing apparatus. Respiratory protection in accordance with 29 CFR 1910.134 & ANSI Z88.2 / ANSI Z88.6

Thermal hazard protection:

Not required for normal conditions of use.

Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol. Clear. Colorless liquid.
Color	: Clear Colorless
Odor	: Odorless
Odor threshold	: No data available
pH	: Not applicable
Melting point	: No data available

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Freezing point	: No data available
Boiling point	: No data available
Flash point	: 203 °F (95°C) (ASTM D-93) (Liquid)
Relative evaporation rate (butyl acetate=1)	: < 0.01 (Liquid)
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: 6.5 (101 kPa) (calculated value) (Liquid)
Relative density	: No data available
Solubility	: Water: % Negligible.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: 0.6 – 4.9 vol % (Liquid)
Explosive properties	: Vapors may form explosive mixture with air. Pressurized container: may burst if heated.
Oxidizing properties	: Not oxidizing.
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content	: 90 %
-------------	--------

SECTION 10 Stability and reactivity

10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7). Flammable aerosol.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

May form flammable/explosive vapor-air mixture. Under fire conditions closed containers may rupture or explode.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

In case of fire product can release: Carbon monoxide. Carbon dioxide. Silicon oxides.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

White mineral oil (petroleum) (8042-47-5)

LD50 oral, rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal, rabbit	> 2000 mg/kg (OECD 402 method)

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

White mineral oil (petroleum) (8042-47-5)	
LC50 inhalation, rat (mg/l)	> 5.2 mg/l (OECD 403 method)
Distillates (petroleum), hydrotreated light (64742-47-8)	
LD50 oral, rat	> 5000 mg/kg
LD50 dermal, rabbit	> 2000 mg/kg
LC50 inhalation, rat (mg/l)	> 5.28 mg/l - 4 Hours
Skin corrosion/irritation	: Causes skin irritation. pH: Not applicable
Serious eye damage/irritation	: Not classified pH: Not applicable
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
Distillates (petroleum), hydrotreated light (64742-47-8)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: May cause slight irritation to eyes.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

White mineral oil (petroleum) (8042-47-5)	
LC50 fish	> 10000 mg/l - 96h (Leuciscus idus melanotus, WAF)
EC50 Daphnia	> 100 mg/l - 48h (Daphnia magna, WAF)
NOEC (chronic)	≥ 1000 mg/l - 28d (QSAR)
NOEC chronic fish	≥ 1000 mg/l - 28 days (Oncorhynchus mykiss, WAF, QSAR)
Distillates (petroleum), hydrotreated light (64742-47-8)	
LC50 fish	2 – 5 mg/l - 96 Hours (Oncorhynchus mykiss) (OECD 203 method)
EC50 Daphnia	1.4 mg/l - 48 Hours (Daphnia magna) (OECD 202 method)
EC50 72h - Algae [1]	1 – 3 mg/l - 72 Hours (Raphidocelis subcapitata) (OECD 201 method)
ErC50 algae	1 – 3 mg/l - 72 Hours (Raphidocelis subcapitata) (OECD 201 method)
NOEC (chronic)	0.098 mg/l - 28d (QSAR)

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Distillates (petroleum), hydrotreated light (64742-47-8)

NOEC chronic fish	0.098 mg/l - 28 days (Oncorhynchus mykiss, WAF, QSAR)
NOEC chronic crustacea	0.48 mg/l 21d (OECD 211 method)
NOEC chronic algae	1 mg/l - 72 Hours (Raphidocelis subcapitata) (OECD 201 method)

12.2. Persistence and degradability

STERI-SILICON®

Persistence and degradability	Expected to be readily biodegradable.
-------------------------------	---------------------------------------

Polydimethylsiloxane (63148-62-9)

Persistence and degradability	Not readily biodegradable.
-------------------------------	----------------------------

White mineral oil (petroleum) (8042-47-5)

Persistence and degradability	Substance is complex UVCB, Inherently biodegradable.
-------------------------------	--

Carbon dioxide (124-38-9)

Persistence and degradability	Not applicable.
-------------------------------	-----------------

Distillates (petroleum), hydrotreated light (64742-47-8)

Persistence and degradability	Substance is complex UVCB, Inherently biodegradable.
-------------------------------	--

12.3. Bioaccumulative potential

STERI-SILICON®

Bioaccumulative potential	Potentially bioaccumulable.
---------------------------	-----------------------------

White mineral oil (petroleum) (8042-47-5)

Bioaccumulative potential	Substance is complex UVCB.
---------------------------	----------------------------

Distillates (petroleum), hydrotreated light (64742-47-8)

Bioaccumulative potential	Substance is complex UVCB.
---------------------------	----------------------------

12.4. Mobility in soil

STERI-SILICON®

Ecology - soil	Very mobile.
----------------	--------------

White mineral oil (petroleum) (8042-47-5)

Ecology - soil	Substance is complex UVCB.
----------------	----------------------------

Distillates (petroleum), hydrotreated light (64742-47-8)

Ecology - soil	Substance is complex UVCB.
----------------	----------------------------

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No
Other information	: Avoid release to the environment.

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

SECTION 13 Disposal considerations

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

UN-No. (DOT)	: UN1950
UN-No. (TDG)	: UN1950
UN-No. (IMDG)	: 1950
UN-No. (IATA)	: 1950

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT)	: Aerosols
Proper Shipping Name (TDG)	: AEROSOLS
Proper Shipping Name (IMDG)	: AEROSOLS
Proper Shipping Name (IATA)	: Aerosols, flammable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT)	: 2.1
Hazard labels (DOT)	: 2.1



TDG

Transport hazard class(es) (TDG)	: 2.1
Hazard labels (TDG)	: 2.1



IMDG

Transport hazard class(es) (IMDG)	: 2.1
Hazard labels (IMDG)	: 2.1



IATA

Transport hazard class(es) (IATA)	: 2.1
Hazard labels (IATA)	: 2.1



STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: Yes
Other information	: Marine Pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5lt or less for liquids or having a net mass per single or inner packaging of 5kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general requirements of 4.1.1.1, 4.1.1.2, and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria of inclusion in another hazards class all provisions of the Code relevant to any additional hazards continue to apply.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT)	: UN1950
DOT Special Provisions (49 CFR 172.102)	: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 25 - Protected from sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

TDG

UN-No. (TDG)	: UN1950
TDG Special Provisions	: 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment), 107 - (1) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray.

Explosive Limit and Limited Quantity Index	: 1 L
Excepted quantities (TDG)	: E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 75 L
Emergency Response Guide (ERG) Number	: 126

IMDG

EmS-No. (Fire)	: F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

IATA

Special provision (IATA)	: A145, A167, A802
PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
ERG code (IATA)	: 10L

SECTION 15 Regulatory information

15.1. Federal regulations

STERI-SILICON®	
SARA Section 311/312 Hazard Classes	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Physical hazard - Gas under pressure Health hazard - Simple asphyxiant Health hazard - Skin corrosion or Irritation Health hazard - Aspiration hazard Health hazard - Specific target organ toxicity (single or repeated exposure)

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Polydimethylsiloxane	63148-62-9	Present	Active	XU
White mineral oil (petroleum)	8042-47-5	Present	Active	
Carbon dioxide	124-38-9	Present	Active	
Distillates (petroleum), hydrotreated light	64742-47-8	Present	Active	

15.2. International regulations

CANADA

Polydimethylsiloxane (63148-62-9)
Listed on the Canadian DSL (Domestic Substances List)
White mineral oil (petroleum) (8042-47-5)
Listed on the Canadian DSL (Domestic Substances List)
Carbon dioxide (124-38-9)
Listed on the Canadian DSL (Domestic Substances List)
Distillates (petroleum), hydrotreated light (64742-47-8)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

National regulations

Polydimethylsiloxane (63148-62-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

White mineral oil (petroleum) (8042-47-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Carbon dioxide (124-38-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Distillates (petroleum), hydrotreated light (64742-47-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

Component	State or local regulations
Carbon dioxide(124-38-9)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Revision date : 6/25/2026

Issue date : 2/2/2006

Data sources : US OSHA HazCom (GHS) 25 May 2012. ECHA (European Chemicals Agency), <http://echa.europa.eu/>.

Other information : US OSHA HazCom (GHS) 25 May 2012. Classification procedure. Health hazards: On basis of test data & Calculation method. Environmental hazards: On basis of test data & Calculation method. Physical hazards: On basis of test data.

Full text of hazard classes and H-statements

H223	Flammable aerosol
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
SIAS	May displace oxygen and cause rapid suffocation

Abbreviations and acronyms

	ACGIH (American Conference of Government Industrial Hygienists)
	ATE (Acute Toxicity Estimate)

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Abbreviations and acronyms	
	CAS (Chemical Abstracts Service) number
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	NFPA (National Fire Protection Association)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	PBT (Persistent, Bioaccumulative and Toxic)
	QSAR (Quantitative Structure-Activity Relationship)
	SADT (Self-Accelerating Decomposition Temperature)
	STEL (Short Term Exposure Limit)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)
	vPvB (very Persistent and very Bioaccumulative)

NFPA health hazard

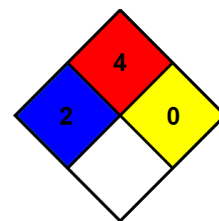
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 4 - Materials that rapidly or completely vaporize at atmospheric pressure and normal ambient temperature or that are readily dispersed in air and burn readily.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Indication of changes:		
Section	Changed item	Comments
1	Identification	Modified
2	Hazard identification	Modified
3	Composition/Information on ingredients	Modified
4	First aid measures	Modified
6	Accidental release measures	Modified
7	Handling and storage	Modified
8	Exposure controls / Personal protection equipment	Modified
9	pH	Added

STERI-SILICON®

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

11	Toxicological information	Modified
12.	Ecological information	Modified
15	Regional legislation	Modified
16	Abbreviations and acronyms	Modified

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. Veltek Associates, Inc. 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. Veltek Associates, Inc. accepts no liability for loss or damage resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

This SDS has been translated into the official language of the country/region in which the product is to be placed on the market. Where no official translation exists, the regulatory text is reported in English, as it appears in the relevant regulatory text.