Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07.

Date of issue: 02/19/2025 Reviewed on 02/19/2025

* 1 Identification

· **Product identifier**

· **Trade name: SIL-FLEX 7500 Almond**
· **Other means of identification**
· **Product Description:**
Silicone
For professional use only.

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Silco Inc.
7635 St. Clair Avenue
Mentor, OH 44060
Phone: 440-975-8886
Fax: 440-975-8887
www.silco-inc.com
· **Emergency telephone number:** 440-975-8886

* 2 Hazard(s) identification

· **Classification of the substance or mixture**



GHS08 Health hazard

Carcinogenicity 1B	H350 May cause cancer.
Reproductive toxicity 2	H361 Suspected of damaging fertility or the unborn child.



GHS07

Eye irritation 2A	H319 Causes serious eye irritation.
Sensitization - skin 1	H317 May cause an allergic skin reaction.

· **Label elements**
· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**



GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
2-butanone oxime
Octamethylcyclotetrasiloxane
Titanium Dioxide
· **Hazard statements**
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause cancer.
Suspected of damaging fertility or the unborn child.

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· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.
· **Information pertaining to particular dangers for man and environment:**
· **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
· **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 1
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = *2
Fire = 1
Reactivity = 0

· **Other hazards**
· **Results of PBT and vPvB assessment**

· **PBT:**	
556-67-2	Octamethylcyclotetrasiloxane

· **vPvB:**	
556-67-2	Octamethylcyclotetrasiloxane

· **Classification according to (d)(1)(ii) of § 1910.1200**
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.
· **Hazards not otherwise classified**
There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

* 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

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· **Dangerous components:**		
CAS: 96-29-7 RTECS: EL9275000	2-butanone oxime Acute toxicity - oral 3, H301; Carcinogenicity 1B, H350; Specific target organ toxicity (single exposure) 1, H370; Specific target organ toxicity (repeated exposure) 2, H373; Eye damage 1, H318; Acute toxicity - dermal 4, H312; Acute toxicity - inhalation 4, H332; Skin irritation 2, H315; Sensitization - skin 1, H317; Specific target organ toxicity (single exposure) 3, H336; Flammable liquids 4, H227	≥0.1–<1%
CAS: 556-67-2 RTECS: GZ 4397000	Octamethylcyclotetrasiloxane Flammable liquids 3, H226; Reproductive toxicity 2, H361 PBT; vPvB	0.1–1%
CAS: 13463-67-7	Titanium Dioxide Carcinogenicity 2, H351	0.1–1%
	Vinyloximesilane (Proprietary) Specific target organ toxicity (repeated exposure) 2, H373	0.1–1%

· **Additional information:**
The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.
The ingredients of this mixture are considered to be proprietary and are withheld in accordance with paragraph (i) of §1910.1200 of 29 CFR 1910.1200, the OSHA Hazard Communication Standard and U.S. Code of Federal Regulations.

* 4 First-aid measures

· **Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:**
Remove contaminated clothing and wash before reuse.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
If eye irritation occurs, consult a doctor.
If easy to do so, remove contact lenses if worn.
· **After swallowing:**
Rinse mouth out with water.
Seek immediate medical advice.
· **Most important symptoms and effects, both acute and delayed**
Dermatitis. Rash. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Prolonged exposure may cause chronic effects.
· **Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** No further relevant information.

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· **Special hazards arising from the substance or mixture**
By heating and fire, harmful vapors/gases may be formed. Nitrogen oxides. (corrosive)
· **Advice for firefighters**
· **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.
· **Additional information** Move containers from fire area if you can do so without risk.

* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Keep away from ignition sources
· **Environmental precautions:** Do not allow to enter sewers / surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· **Protective Action Criteria for Chemicals**
Protective Action Criteria (PACs) are essential components for planning and response to uncontrolled releases of hazardous chemicals.
· **PAC-1:**
PAC 1: Mild, transient health effects.

96-29-7	2-butanone oxime	8.0 mg/m3
556-67-2	Octamethylcyclotetrasiloxane	360 mg/m3
13463-67-7	Titanium Dioxide	30 mg/m³

· **PAC-2:**
PAC 2: Irreversible or other serious health effects that could impair the ability to take protective action.

96-29-7	2-butanone oxime	150 mg/m3
556-67-2	Octamethylcyclotetrasiloxane	530 mg/m3
13463-67-7	Titanium Dioxide	330 mg/m³

· **PAC-3:**
PAC 3: Life-threatening health effects.

96-29-7	2-butanone oxime	880 mg/m3
556-67-2	Octamethylcyclotetrasiloxane	1600 mg/m3
13463-67-7	Titanium Dioxide	2,000 mg/m³

· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:** Keep respiratory protective device available.

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· ***Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:***
Store in the original container.
Store in a cool, dry place in tightly closed receptacles.
Keep out of reach of children.
· ***Information about storage in one common storage facility:*** *Not required.*
· ***Further information about storage conditions:*** *Keep receptacle tightly sealed.*
· ***Specific end use(s)*** *No further relevant information available.*

*
8 Exposure controls/personal protection

· ***Control parameters***
· ***Components with limit values that require monitoring at the workplace:***
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

96-29-7 2-butanone oxime	
WEEL	*Long-term value: 10 ppm* *DSEN*
556-67-2 Octamethylcyclotetrasiloxane	
WEEL	*Long-term value: 10* ppm* **OARS WEEL*

· ***Additional information:*** *The lists that were valid during the creation of this SDS were used as basis.*

· ***Exposure controls***
Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.
· ***Appropriate engineering controls*** *No further data; see section 7.*
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
· ***Breathing equipment:***



NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· ***Protection of hands:***



Protective gloves

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· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**



Tightly sealed goggles

· **Body protection:**



Protective work clothing

· **Limitation and supervision of exposure into the environment** None

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Liquid
· **Color:**	Almond
· **Odor:**	Oxime
· **Odor threshold:**	Not determined.
· **Melting point/Melting range:**	Undetermined.
· **Boiling point/Boiling range:**	Undetermined.
· **Flammability:**	Not applicable.
· **Explosion limits:**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	96 °C (204.8 °F)
· **Decomposition temperature:**	Not determined.
· **pH-value:**	Not determined.
· **Viscosity:**	
· **Kinematic:**	Not determined.
· **Dynamic:**	Not determined.
· **Solubility in / Miscibility with**	
· **Water:**	Not miscible or difficult to mix.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Vapor pressure:**	Not determined.
· **Vapor pressure:**	
· **Density at 20 °C (68 °F):**	1.03 g/cm³ (8.59535 lbs/gal)
· **Relative density**	Not determined.
· **Vapor density**	>1 (Air=1)
· **Particle characteristics**	Not applicable.
· **Other information**	
· **Appearance:**	
· **Form:**	Paste

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· ***Important information on protection of health and environment, and on safety.***
· ***Ignition temperature:*** *Product is not self-igniting.*
· ***Danger of explosion:*** *Product does not present an explosion hazard.*
· ***Solvent content:***
· ***VOC content:*** *0.00 %*
0.0 g/l / 0.00 lb/gal
· ***Solids content:*** *>96.0 %*
· ***Change in condition***
· ***Oxidizing properties*** *None*
· ***Evaporation rate*** *< 1 (Butyl Acetate= 1)*

10 Stability and reactivity

· ***Reactivity***
The product is stable under normal conditions.
No further relevant information available.
· ***Chemical stability*** *Stable under normal conditions.*
· ***Thermal decomposition / conditions to be avoided:***
Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds, Silicon dioxide, Nitrogen oxides and Formaldehyde.
· ***Possibility of hazardous reactions*** *No dangerous reactions known.*
· ***Conditions to avoid*** *No further relevant information available.*
· ***Incompatible materials:***
Strong oxidizing agents.
Water and moisture
· ***Hazardous decomposition products:***
This product reacts with water, moisture or humid air to evolve following compounds: Methylethylketoxime.

* 11 Toxicological information

· ***Information on toxicological effects***
· ***Acute toxicity:***

· ***LD/LC50 values that are relevant for classification:***		
ATE (Acute Toxicity Estimate)		
Oral	*LD50*	*>10,000 mg/kg (ATE)*

96-29-7 2-butanone oxime		
Oral	*LD50*	*100 mg/kg (ATE)*
		3,700 mg/kg (rat)
Dermal	*LD50*	*1,100 mg/kg (ATE)*
		200–2,000 mg/kg (rat)
Inhalative	*LC50/4 h*	*20 mg/l (rat)*
556-67-2 Octamethylcyclotetrasiloxane		
Oral	*LD50*	*>5,000 mg/kg (rat)*
Inhalative	*LC50/4 h*	*>5,000 mg/l (rat)*
13463-67-7 Titanium Dioxide		
Oral	*LD50*	*>20,000 mg/kg (rat)*

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Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)
Alkoxysilane (Proprietary)		
Oral	LD50	2,400–2,995 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	1.49–2.44 mg/l (rat)

· **Primary irritant effect:**
· **on the skin:** May cause an allergic skin reaction.
· **on the eye:** Irritating effect.
· **Sensitization:** Sensitization possible through skin contact.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
· **Interactive effects** No interactive effects between components are known.

· **Carcinogenic categories**
· **IARC (International Agency for Research on Cancer)**
(a) Although IARC has classified titanium dioxide as possible carcinogenic to human (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products which titanium dioxide is bound to other materials, such as in cosmetics or in paints."
(b) OSHA does not regulate Titanium Dioxide as a carcinogen. However, under 29 CFR 1910.1200 the SDS must convey the fact that Titanium Dioxide is a potential carcinogen to rats.
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

13463-67-7	Titanium Dioxide	2B

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

· **Alternative sources for toxicological information**
No non-standard sources for toxicological information where used.

* 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**	
96-29-7 2-butanone oxime	
EC50	201 mg/kg (daphnia) 11.8 mg/kg (Green algae)
13463-67-7 Titanium Dioxide	
EC50	>1,000 mg/kg (Water flea)

· **Persistence and degradability** No further relevant information available.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.

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· ***Results of PBT and vPvB assessment***

· ***PBT:***	
556-67-2	Octamethylcyclotetrasiloxane

· ***vPvB:***	
556-67-2	Octamethylcyclotetrasiloxane

· ***Other adverse effects***
· ***Additional ecological information:***
· ***General notes:***
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

· ***Waste treatment methods***
· ***Recommendation:***
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.

· ***Uncleaned packagings:***
· ***Recommendation:*** *Disposal must be made according to official regulations.*

* 14 Transport information

· ***UN-Number***
· ***DOT, IMDG, IATA*** *Non-Regulated Material*
· ***UN proper shipping name***
· ***DOT, IMDG, IATA*** *Non-Regulated Material*
· ***Transport hazard class(es)***

· ***DOT, ADN, IMDG, IATA***
· ***Class*** *Non-Regulated Material*
· ***Packing group***
· ***DOT, IMDG, IATA*** *Non-Regulated Material*
· ***Environmental hazards:*** *Not applicable.*
· ***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*** *Not applicable.*
· ***Special precautions for user*** *Not applicable.*
· ***UN "Model Regulation":*** *Non-Regulated Material*

* 15 Regulatory information

· ***Safety, health and environmental regulations/legislation specific for the substance or mixture***
· ***Sara***

· ***Section 355 (extremely hazardous substances):***
None of the ingredients is listed.

· ***Section 313 (Specific toxic chemical listings):***
None of the ingredients is listed.

· ***TSCA (Toxic Substances Control Act):***		
96-29-7	2-butanone oxime	ACTIVE
556-67-2	Octamethylcyclotetrasiloxane	ACTIVE

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13463-67-7	Titanium Dioxide	ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**



WARNING: This product can expose you to chemicals including [one or more listed chemical] which is [are] known to the State of California to cause cancer [or birth defects or other reproductive harm]. For more information, go to www.P65Warnings.ca.gov.

13463-67-7	Titanium Dioxide

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

13463-67-7	Titanium Dioxide

· **New Jersey Special Hazardous Substance List:**

None of the ingredients is listed.

· **Pennsylvania Right-to-Know List:**

13463-67-7	Titanium Dioxide

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

13463-67-7	Titanium Dioxide	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7	Titanium Dioxide

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
2-butanone oxime
Octamethylcyclotetrasiloxane
Titanium Dioxide

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· ***Hazard statements***
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause cancer.
Suspected of damaging fertility or the unborn child.

· ***Precautionary statements***
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· ***National regulations:***

· ***Information about limitation of use:***
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· ***Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· ***SDS created by:*** *Access GHS, LLC - 888-363-4870 - Team@access-ghs-sds.com*
· ***Date of previous version*** *04/01/2019*
· ***Version number of previous version:*** *1*
· ***Date of preparation*** *02/19/2025*
· ***Abbreviations and acronyms:***
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value

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PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flammable liquids 3: Flammable liquids – Category 3
Flammable liquids 4: Flammable liquids – Category 4
Acute toxicity - oral 3: Acute toxicity – Category 3
Acute toxicity - dermal 4: Acute toxicity – Category 4
Skin irritation 2: Skin corrosion/irritation – Category 2
Eye damage 1: Serious eye damage/eye irritation – Category 1
Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - skin 1: Skin sensitisation – Category 1
Carcinogenicity 1B: Carcinogenicity – Category 1B
Carcinogenicity 2: Carcinogenicity – Category 2
Reproductive toxicity 2: Reproductive toxicity – Category 2
Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1
Specific target organ toxicity (repeated exposure) 2: Specific target organ toxicity (repeated exposure) – Category 2

· **** Data compared to the previous version altered.***