

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 03/06/2017

1 Identification

· **Product Identifier**

· **Trade name: Silwipe - 25**

· **Relevant identified uses of the substance or mixture and uses advised against:**

Siloxane/Acetate Blend

· **Product Description**

Product Name	Part Number	Packaging
SILWIPE - 25	260-55	55 Gal Drums
SILWIPE - 25	260-5	5 Gal Pails
SILWIPE - 25	260-1	4 x 1 Gal Case

· **Application of the substance / the mixture:** Industry specific application.

· **Details of the Supplier of the Safety Data Sheet:**

· **Manufacturer/Supplier:**

Ecolink
 2177A Flintstone Drive
 Tucker, GA 30084
 www.ecolink.com
 800-886-8240 or 770-621-8240 (8-5 EST)

email: info@ecolink.com

· **Emergency telephone number:**

Inside the U.S.: 800-535-5053 (INFOTRAC, 24 HOURS)
 Outside the U.S.: 352-323-3500 (INFOTRAC, 24 HOURS)

2 Hazard(s) Identification

· **Classification of the substance or mixture:**



GHS02 Flame Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Repr. 2 H361 Suspected of damaging fertility or the unborn child.

Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.

· **Label elements:**

· **GHS label elements**

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

· **Hazard pictograms:**

· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Octamethylcyclotetrasiloxane

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· **Hazard statements:**

Highly flammable liquid and vapor.
 Suspected of damaging fertility or the unborn child.
 May cause long lasting harmful effects to aquatic life.

· **Precautionary statements:**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 Use explosion-proof electrical/ventilating/lighting/equipment.
 Wear protective gloves / eye protection / face protection.
 Ground/bond container and receiving equipment.
 Keep container tightly closed.
 Use only non-sparking tools.
 Avoid release to the environment.
 Take precautionary measures against static discharge.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF exposed or concerned: Get medical advice/attention.
 In case of fire: Use for extinction: CO2, powder or water spray.
 Store locked up.
 Store in a well-ventilated place. Keep cool.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

CAS: 107-46-0	Hexamethyldisiloxane	Flam. Liq. 2, H225	55-85%
RTECS: JM 9237000			

· **Chemical characterization: Mixtures**

- **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous Components:**

CAS: 556-67-2	Octamethylcyclotetrasiloxane	25-50%
RTECS: GZ 4397000	Flam. Liq. 3, H226; Repr. 2, H361; Aquatic Chronic 4, H413	

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CAS: 540-88-5	t-butyl acetate	≤ 2,5%
RTECS: AF 740000	Flam. Liq. 2, H225	

4 First-Aid Measures

· **Description of first aid measures:**

· **After inhalation:**

In case of symptoms arising from inhalation of fumes, mists or vapour: Remove casualty to a quiet and well ventilated place if safe to do so. If the casualty is unconscious and not breathing, ensure that there is no obstruction to air passage ways and give artificial respiration by trained personnel. If necessary, give external cardiac massage and obtain immediate medical assistance. If the casualty is breathing, place in a recovery position and administer oxygen by trained personnel if necessary. Seek medical attention if breathing remains difficult.

· **After skin contact:**

*Generally the product does not irritate the skin.
Wash with soap and water.
If skin irritation occurs, consult a doctor.*

· **After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

*Rinse out mouth and then drink plenty of water.
Do not induce vomiting.
If vomiting does occur, repeat fluid administration
If symptoms develop and/or persist, seek medical attention.*

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

5 Fire-Fighting Measures

· **Extinguishing media:**

· **Suitable extinguishing agents:** *Water fog, alcohol foam, dry chemical, or CO2.*

· **Special hazards arising from the substance or mixture:**

If incinerated product will release the following toxic fumes: Carbon Oxides and Silicon Oxides.

· **Advice for firefighters:** *Use water spray to cool unopened containers.*

· **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.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures:**

*Ensure adequate ventilation.
Keep people at a distance and stay upwind.
Avoid contact with skin, eyes and clothing.*

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Keep away from ignition sources

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (ie. sand, diatomite, universal binders), do NOT use sawdust.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

· **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

· **Handling**

· **Precautions for safe handling:**

Avoid contact with skin, eyes and clothing

Keep away from sources of ignition.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Keep receptacles tightly sealed.

· **Information about protection against explosions and fires:**

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Keep protective respiratory device available.

· **Conditions for safe storage, including any incompatibilities:**

Store away from strong acids, strong bases, strong oxidizing agents and strong reducing agents.

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Store in a well ventilated place.

Store in a cool, dry place away from sparks and flame.

Do not store in direct sunlight.

Store in a cool location.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

No further relevant information available..

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· **Specific end use(s):** No further relevant information available.

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Trade name: *Silwipe - 25*

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

- **Components with occupational exposure limits:**

556-67-2 Octamethylcyclotetrasiloxane

WEEL	Long-term value: 10* ppm
	*OARS WEEL

540-88-5 t-Butyl acetate

PEL	Long-term value: 950 mg/m ³ , 200 ppm
REL	Long-term value: 950 mg/m ³ , 200 ppm
TLV	Short-term value: NIC-712 mg/m ³ , NIC-150 ppm
	Long-term value: (950) NIC-238 mg/m ³ , (200) NIC-50 ppm

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Breathing equipment:**
Not necessary if room is well-ventilated.
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:** Not required.
- **Material of gloves:** Not required.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**
Tightly sealed goggles
- **Body protection:** Not required.

9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
Form: Liquid

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Color:	Colorless
· Odor:	Mild
· Odor threshold:	Not determined.
· pH-value:	Acidic
· Change in condition	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	-1 °C (30 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	Not determined
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not self-igniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density @ 20 °C (68 °F):	0.815 g/cm ³ (6.80 lbs/gal)
· Relative density:	Not determined.
· Vapor density @ 20 °C (68 °F):	>1
· Evaporation rate:	Not determined.
· Solubility in / Miscibility with:	
Water:	Negligible
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	2.5 %
VOC content:	25 g/l
· Other information:	No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.

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- **Conditions to avoid:**
Elevated temperatures; decomposes with heat. Sources of ignition such as sparks, hot spots, welding, flames.
- **Incompatible materials:**
Strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- **Hazardous decomposition products:** Carbon Oxides and Silicon Oxides.

11 Toxicological Information

- **Information on toxicological effects:** The toxicity of this product is unknown.
- **Acute toxicity:**
- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
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

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

12 Ecological Information

- **Toxicity:** The hazards for the aquatic environment are unknown.
- **Aquatic toxicity:**
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **Other adverse effects:** No further relevant information available.

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:** Dispose of as unused product.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information

<ul style="list-style-type: none"> · UN-Number: · DOT, ADR, IMDG, IATA 	<p style="text-align: center;">UN1993</p>
<ul style="list-style-type: none"> · UN proper shipping name: · DOT · ADR · IMDG · IATA 	<p style="text-align: center;">Flammable liquids, n.o.s. UN1993 Flammable liquids, n.o.s. FLAMMABLE LIQUID, N.O.S. Flammable liquid, n.o.s.</p>
<ul style="list-style-type: none"> · Transport hazard class(es): · DOT 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class: · Label: 	<p style="text-align: center;">3 Flammable liquids 3</p>
<ul style="list-style-type: none"> · ADR 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class: · Label: 	<p style="text-align: center;">3 (F1) Flammable liquids 3</p>
<ul style="list-style-type: none"> · IMDG, IATA 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Label: 	<p style="text-align: center;">3 Flammable liquids</p>

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· Packing group:	
· DOT, ADR, IMDG, IATA	III
· Environmental hazards:	Not applicable.
· Special precautions for user:	Warning: Flammable liquids
· Danger code (Kemler):	30
· EMS Number:	F-E, S-E
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
· Transport/Additional information:	
· ADR	
· Excepted quantities (EQ):	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUIDS, N.O.S., 3, III

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **California Proposition 65:**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

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

None of the ingredients are listed.

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

None of the ingredients are listed.

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

None of the ingredients are listed.

- **Carcinogenic categories:**

- **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

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· **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

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

None of the ingredients are listed.

· **GHS label elements**

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

· **Hazard pictograms:**



GHS02 GHS08

· **Signal word: Danger**

· **Hazard-determining components of labeling:**

Octamethylcyclotetrasiloxane

· **Hazard statements:**

Highly flammable liquid and vapor.

Suspected of damaging fertility or the unborn child.

May cause long lasting harmful effects to aquatic life.

· **Precautionary statements:**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

Wear protective gloves / eye protection / face protection.

Ground/bond container and receiving equipment.

Keep container tightly closed.

Use only non-sparking tools.

Avoid release to the environment.

Take precautionary measures against static discharge.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF exposed or concerned: Get medical advice/attention.

In case of fire: Use for extinction: CO2, powder or water spray.

Store locked up.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· **State Right to Know:**

CAS: 107-46-0 RTECS: JM 9237000	Hexamethyldisiloxane Flam. Liq. 2, H225	55-85%
CAS: 556-67-2 RTECS: GZ 4397000	Octamethylcyclotetrasiloxane Flam. Liq. 3, H226; Repr. 2, H361; Aquatic Chronic 4, H413	25-50%
CAS: 540-88-5 RTECS: AF 740000	tert-butyl acetate Flam. Liq. 2, H225	≤ 2,5%

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All ingredients are listed.

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

16 Other Information

Ecolink, Inc. believes the information contained herein is accurate. However, Ecolink makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained by the use thereof. Ecolink, Inc. assumes no responsibility for injury from the use of the product described herein.

- **Date of preparation / last revision:** 03/06/2017

- **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Repr. 2: Reproductive toxicity, Hazard Category 2

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

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

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106