

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** SILIKOTOP E 900

**Chemical name:**

OH-functional silicone polyester in solvent

**Other means of identification**

**Recommended restrictions**

**Recommended use:** Industrial Use

**Restrictions on use:** None known.

**Manufacturer/Importer/Distributor Information**

Company Name : Evonik Corporation  
299 Jefferson Road  
Parsippany, NJ 07054  
USA

Telephone : +1 973 929 8000

Fax : +1 973 929 8042

E-mail : product-regulatory-services@evonik.com

**Emergency telephone number:**

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency : +1 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

**Hazard Classification**

**Physical Hazards**

Flammable liquids

Category 3

**Label Elements**

**Hazard Symbol:**



**Signal Word:** Warning

**Hazard Statement:** Flammable liquid and vapor.

**Precautionary Statements**

- Prevention:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Do not breathe dust/fume/gas/mist/vapors/spray. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection.
- Storage:** Store in a well-ventilated place. Keep container tightly closed.

**Hazard(s) not otherwise classified (HNOC):** Flammable liquid and vapor.

**3. Composition/information on ingredients**

**Chemical name:**  
 OH-functional silicone polyester in solvent

**Mixtures**

Chemical Identity	CAS number	Content in percent (%) <sup>*</sup>
Butyl acetate	123-86-4	>=10 - <20%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

**4. First-aid measures**
**Description of necessary first-aid measures**

- General information:** Remove soiled or soaked clothing immediately
- Inhalation:** Ensure supply of fresh air. In the event of symptoms seek medical advice.
- Skin Contact:** In case of contact with skin wash off with soap and water. In the event of symptoms seek medical advice.
- Eye contact:** In case of contact with eyes rinse thoroughly with water. In the event of symptoms seek medical advice.
- Ingestion:** Thoroughly clean the mouth with water. In the event of symptoms seek medical advice.
- Personal Protection for First-aid Responders:** Do not inhale explosion and/or combustion gases, Self-contained breathing apparatus.

**Most important symptoms/effects, acute and delayed**

- Symptoms:** No special hints.
- Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

- Treatment:** Treat symptomatically.

## 5. Fire-fighting measures

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** Full water jet

**Specific hazards arising from the chemical:** In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide

### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** Keep away from sources of ignition - no smoking. Take action to prevent static discharges. Cool endangered containers by water spray Vapours may form explosive mixtures with air

**Special protective equipment for fire-fighters:** Do not inhale explosion and/or combustion gases Self-contained breathing apparatus.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Ensure adequate ventilation. Keep away sources of ignition.

**Methods and material for containment and cleaning up:** Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

**Environmental Precautions:** Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.

## 7. Handling and storage

### Handling

**Technical measures (e.g. Local and general ventilation):** No data available.

**Safe handling advice:** Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary). Wear respiratory protection when spraying.

**Contact avoidance measures:** No data available.

**Hygiene measures:** Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately.

### Storage

**Safe storage conditions:** Keep container tightly closed in a cool, well-ventilated place.

**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

**Occupational Exposure Limits**

None of the components have assigned exposure limits.  
 Hazardous components without workplace control parameters

**Appropriate Engineering Controls**

No data available.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:** This product is not classified as an eye irritant. Any necessity for eye protection must be determined within the scope of a risk assessment.

**Skin Protection**
**Hand Protection:**

Material: gloves made of nitril (NBR)  
 Break-through time: 60 min

**Skin and Body Protection:**

protective clothing

**Respiratory Protection:**

in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

**Hygiene measures:**

Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately.

<b>9. Physical and chemical properties</b>
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**Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Yellow
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	not measured
<b>pH:</b>	not measured
<b>Freezing point:</b>	Not applicable
<b>Boiling Point:</b>	not measured
<b>Flash Point:</b>	109.4 °F
<b>Evaporation Rate:</b>	not measured
<b>Flammability (solid, gas):</b>	no data available

<b>Explosive limit - upper (%):</b>	not measured
<b>Explosive limit - lower (%):</b>	not measured
<b>Vapor pressure:</b>	not measured
<b>Vapor density (air=1):</b>	not measured
<b>Density:</b>	1.108 g/cm <sup>3</sup> (20 °C) (DIN 51757)
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	not measured
<b>Solubility (other):</b>	not measured
<b>Partition coefficient (n-octanol/water):</b>	not measured
<b>Self Ignition Temperature:</b>	not measured
<b>Decomposition Temperature:</b>	not measured
<b>Kinematic viscosity:</b>	No data available.

**Dynamic viscosity:** 5,000 - 15,000 mPa.s (25 °C, Brookfield)

**Other information**

**Explosive properties:** not measured  
**Oxidizing properties:** not oxidizing  
**Minimum ignition temperature:** not measured  
**Metal Corrosion:** Not corrosive to metals not measured

**10. Stability and reactivity**

**Reactivity:** see section "Possibility of hazardous reactions"  
**Chemical Stability:** The product is stable under normal conditions.  
**Possibility of hazardous reactions:** No hazardous reactions with proper storage and handling.  
**Conditions to avoid:** Unknown  
**Incompatible Materials:** Unknown  
**Hazardous Decomposition Products:** None with proper storage and handling.

**11. Toxicological information**

**Information on likely routes of exposure**

**Inhalation:** Relevant route of exposure. Information on effects are given below.  
**Skin Contact:** Relevant route of exposure. Information on effects are given below.  
**Eye contact:** Relevant route of exposure. Information on effects are given below.  
**Ingestion:** If handled correctly, not a relevant route of exposure. Information on effects are given below.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.  
**Ingestion:** No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**  
**Product:** LD50 (Rat): > 2,000 mg/kg Own test result.  
**Dermal**  
**Product:** no data available  
**Inhalation**  
**Product:** no data available

**Repeated dose toxicity****Product:** no data available**Skin Corrosion/Irritation****Product:** no data available**Serious Eye Damage/Eye Irritation****Product:** no data available**Respiratory or Skin Sensitization****Product:** no data available**Carcinogenicity****Product:** No data available.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity****In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** no data available**Specific Target Organ Toxicity - Repeated Exposure****Product:** no data available**Aspiration Hazard****Product:** Not classified**Other effects:**

Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Toxicity to Aquatic Plants**  
**Product:** ErL50 (Estimated Loading rate) (Pseudokirchneriella subcapitata, 72 h): > 100 mg/l Own test result.

**Persistence and Degradability**

**Biodegradation**  
**Product:** No data available.

**BOD/COD Ratio**  
**Product:** No data available.

**Bioaccumulative potential**  
**Bioconcentration Factor (BCF)**  
**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**  
**Product:** Log Kow: not measured

**Mobility in soil:** No data available.

**Components:**  
 Butyl acetate No data available.

**Other adverse effects:** Do not allow to enter soil, waterways or waste water canal. The product is classified as slightly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV)).

**13. Disposal considerations**

**Disposal methods:** In accordance with local authority regulations, take to special waste incineration plant

**Contaminated Packaging:** If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

**14. Transport information**

**Domestic regulation**

**49 CFR**

UN/ID/NA number : UN 1123

Proper shipping name : Butyl acetates

Class : 3

Packing group : III

Labels : 3

ERG Code : 129

Marine pollutant : no

### International Regulations

#### IATA-DGR

UN/ID No. : UN 1123

Proper shipping name : Butyl acetates

Class : 3

Packing group : III

Labels : 3

Packing instruction (cargo aircraft) : 366

Packing instruction (passenger aircraft) : 355

#### IMDG-Code

UN number : UN 1123

Proper shipping name : BUTYL ACETATES

Class : 3

Packing group : III

Labels : 3

EmS Code : F-E, S-D

Marine pollutant : no

Remarks : Stowage category B

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 15. Regulatory information



**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Butyl acetate	5000 lbs.
Methanol	5000 lbs.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Flammable (gases, aerosols, liquids, or solids)

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

**SARA 311/312 Hazardous Chemical**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
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**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**



**WARNING:** This product can expose you to chemicals including, Methanol, which is [are] known to the State of California to cause birth defects or other reproductive harm.

**US. New Jersey Worker and Community Right-to-Know Act**

Chemical Identity

Butyl acetate

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

Chemical Identity

Butyl acetate

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

US TSCA Inventory: Included on Inventory.

This product contains one or more components that comply with the TSCA Polymer Exemption criteria per 40 CFR 723.250.

Canada DSL Inventory List: Included on Inventory.

**16. Other information, including date of preparation or last revision**

**HMIS Hazard ID**

<b>Health</b>	1
<b>Flammability</b>	3
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	X

Ask supervisor or safety specialist for handling instructions

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

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**Version #:** 1.1

**Further Information:** No data available.

**Revision Information:** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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