

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** SILIKOFTAL HTL 3

**Chemical name:**  
Silicone polyester resine

**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

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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

**Health Hazards**

Skin irritation Category 2

**Label Elements**

**Hazard Symbol:**



|   |  |
|---|--|
| <b>Signal Word:</b>                               | Warning  |
| <b>Hazard Statement:</b>                          | Flammable liquid and vapor.<br>Causes skin irritation.   |
| <b>Precautionary Statements</b>                   |  |
| <b>Prevention:</b>                                | Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection.                               |
| <b>Response:</b>                                  | If skin irritation or rash occurs: Get medical advice/attention. Get medical advice/attention if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| <b>Hazard(s) not otherwise classified (HNOC):</b> | None.  |

### 3. Composition/information on ingredients

**Chemical name:**  
Silicone polyester resine

#### Mixtures

| Chemical Identity         | CAS number | Content in percent (%) <sup>*</sup> |
|---------------------------|------------|-------------------------------------|
| 1-Methoxy-2-Propylacetate | 108-65-6   | >=10 - <20%                         |
| Xylene                    | 1330-20-7  | >=10 - <20%                         |
| Ethylbenzene              | 100-41-4   | >=1 - <5%                           |
| Methanol                  | 67-56-1    | >=0.1 - <1%                         |

<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

|  |   |
|--|---|
| <b>General information:</b>                          | Remove soiled or soaked clothing immediately  |
| <b>Inhalation:</b>                                   | Ensure supply of fresh air. In the event of symptoms, seek medical treatment.   |
| <b>Skin Contact:</b>                                 | Remove contaminated clothing immediately. Wash off with soap and water. If irritation persists, consult a physician and show this data sheet. |
| <b>Eye contact:</b>                                  | Flush eye immediately and thoroughly while protecting the unhurt eye. If symptoms persist, seek medical attention.                            |
| <b>Ingestion:</b>                                    | Induce vomiting if person is conscious. (Vomit may not be breathed in.) Seek medical treatment. Show this data sheet.                         |
| <b>Personal Protection for First-aid Responders:</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.        |

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

**Symptoms:** Skin irritation

**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 Under certain conditions of combustion traces of other toxic substances cannot be excluded Benzene

**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. Vapours may form explosive mixtures with air Cool endangered containers by water spray

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**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):** Good general (mechanical) ventilation should be sufficient to control airborne levels.

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

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

**Hygiene measures:** No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Avoid contact with eyes and skin. Do not inhale vapors. Remove soiled or soaked clothing immediately.

### Storage

**Safe storage conditions:** Keep container tightly closed in a cool, well-ventilated place. Do not use plastic containers.

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

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Hazardous components without workplace control parameters

**Appropriate Engineering Controls** Good general (mechanical) ventilation should be sufficient to control airborne levels.

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

**Eye/face protection:** Use chemical resistant goggles.

#### Skin Protection

##### Hand Protection:

Material: gloves made of natural latex  
 Break-through time: > 480 min  
 Material: gloves made of chloroprene (CR, e.g. Neoprene)  
 Break-through time: > 480 min  
 Material: gloves made of nitril (NBR)  
 Break-through time: > 480 min  
 Material: gloves made of butyl (IIR)  
 Break-through time: > 480 min

##### Skin and Body Protection:

Light protective clothing is required.

**Respiratory Protection:** In case of formation of vapors/aerosols: respiratory protective equipment, cartridge for organic gases and vapors.

**Hygiene measures:** No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Avoid contact with eyes and skin. Do not inhale vapors. Remove soiled or soaked clothing immediately.

## 9. Physical and chemical properties

### Appearance

|                                   |                   |
|-----------------------------------|-------------------|
| <b>Physical state:</b>            | liquid            |
| <b>Form:</b>                      | liquid            |
| <b>Color:</b>                     | Clear             |
| <b>Odor:</b>                      | Characteristic    |
| <b>Odor Threshold:</b>            | not measured      |
| <b>pH:</b>                        | not determined    |
| <b>Freezing point:</b>            | not measured      |
| <b>Boiling Point:</b>             | not measured      |
| <b>Flash Point:</b>               | approx. 75.2 °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>                                 | 1.12 g/cm <sup>3</sup> (25 °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.                         |
| <b>Dynamic viscosity:</b>                       | 1,650 - 2,150 mPa.s (25 °C, DIN 53019)     |
| <b>Other information</b>                        |  |
| <b>Explosive properties:</b>                    | not measured                               |
| <b>Oxidizing properties:</b>                    | not oxidizing                              |
| <b>Minimum ignition temperature:</b>            | not measured                               |
| <b>Metal Corrosion:</b>                         | Not corrosive to metals                    |

## 10. Stability and reactivity

|  |   |
|--|---|
| <b>Reactivity:</b>                         | see section "Possibility of hazardous reactions"  |
| <b>Chemical Stability:</b>                 | The product is stable under normal conditions.  |
| <b>Possibility of hazardous reactions:</b> | No Hydrolysis may result in formation of methanol depending on the specific conditions of use. Possibility of peroxide formation. Reactions with strong oxidizing agents. |
| <b>Conditions to avoid:</b>                | Unknown   |
| <b>Incompatible Materials:</b>             | Unknown   |
| <b>Hazardous Decomposition Products:</b>   | experiments indicate that small amounts of benzene are evolved when heated to approx. 180°C and above.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Relevant route of exposure. Information on effects are given below.                             |
| <b>Skin Contact:</b> | Relevant route of exposure. Information on effects are given below.                             |
| <b>Eye contact:</b>  | Relevant route of exposure. Information on effects are given below.                             |
| <b>Ingestion:</b>    | If handled correctly, not a relevant route of exposure. Information on effects are given below. |

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

|                      |                    |
|----------------------|--------------------|
| <b>Inhalation:</b>   | No data available. |
| <b>Skin Contact:</b> | 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:

###### Components:

1-Methoxy-2-Propylacetate      LD 50 (Rat): > 5,000 mg/kg  
LD 50 (Rat): 8,500 mg/kg

Ethylbenzene      LD 50 (Rat): 3,500 mg/kg

##### Dermal

**Product:** not determined

##### 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.

**Components:**

Ethylbenzene gene mutation (OECD 476): negative  
 Methanol bacterial reverse mutation assay (e.g. Ames test) (OECD 471): negative  
 gene mutation (OECD 476): negative

**In vivo**

**Product:** No data available.

**Components:**

Ethylbenzene Unscheduled DNA synthesis -test (UDS) (OECD 486) Inhalation (Mouse):  
 negative  
 Methanol Micronucleus test (OECD 474) Intraperitoneal injection (Mouse): negative

**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:** No data available.

|                                   |
|-----------------------------------|
| <b>12. Ecological information</b> |
|-----------------------------------|

**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:** No data available.

**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:**  
 1-Methoxy-2-Propylacetate No data available.  
 Xylene No data available.  
 Ethylbenzene No data available.  
 Methanol No data available.

**Other adverse effects:** Do not allow to enter soil, waterways or waste water canal.

### 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 1866  
 Proper shipping name : Resin solution

Class : 3  
 Packing group : III  
 Labels : 3  
 ERG Code : 127  
 Marine pollutant : no

#### International Regulations

##### IATA-DGR



UN/ID No. : UN 1866  
Proper shipping name : Resin solution  
Class : 3  
Packing group : III  
Labels : 3  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1866  
Proper shipping name : RESIN SOLUTION  
  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : no  
Remarks : Stowage category A

**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> |
|--------------------------|----------------------------|
| Xylene                   | 100 lbs.                   |
| Ethylbenzene             | 1000 lbs.                  |
| Methanol                 | 5000 lbs.                  |
| 1-Butanol                | 5000 lbs.                  |

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

Flammable (gases, aerosols, liquids, or solids), Skin Corrosion or Irritation

**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> |
|--------------------------|------------------------------------|
|--------------------------|------------------------------------|

**SARA 313 (TRI Reporting)**

| <u>Chemical Identity</u> | <u>Reporting threshold for other users</u>    |
|--------------------------|---|
| Xylene                   | Otherwise used (non-manufacturing/processing) |
| Ethylbenzene             | Otherwise used (non-manufacturing/processing) |

**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)**

| <u>Chemical Identity</u> | <u>Reportable quantity</u>    |
|--------------------------|-------------------------------|
| Xylene                   | Reportable quantity: 100 lbs. |

**US State Regulations****US. California Proposition 65****WARNING:** This product can expose you to chemicals including, Ethylbenzene, which is [are] known to the State of California to cause cancer.

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**

| <u>Chemical Identity</u> |
|--------------------------|
| Xylene                   |
| Ethylbenzene             |

**US. Massachusetts RTK - Substance List**

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

**US. Pennsylvania RTK - Hazardous Substances**
**Chemical Identity**

 Xylene  
 Ethylbenzene

**US. Rhode Island RTK**

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

**Inventory Status:**

 US TSCA Inventory:                      Included on Inventory.  
 Canada NDSL Inventory:                Included on Inventory.

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

|                            |   |
|----------------------------|---|
| <b>Health</b>              | 2 |
| <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

**Issue Date:**                                03/15/2019

**Version #:**                                 1.0

**Further Information:**                    CTFA: complies

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

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