

# SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

## 1. Identification

**Product identifier:** SILIKOFTAL® HTT  
**Chemical name:**  
Organo-modified polysiloxane in organic solvent

**Other means of identification**  
None.

### Recommended restrictions

**Recommended use:** Industrial use  
**Restrictions on use:** None known.

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation  
Nutrition & Care  
PO Box 34628  
Richmond, VA 23234  
USA

Telephone : +1 804 727 0700

Fax : +1 804 727 0845

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

### Emergency telephone number:

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

Serious Eye Damage/Eye Irritation : Category 2A  
Specific Target Organ Toxicity -  
Single Exposure : Category 3  
(Narcotic effect.)

### Label Elements

**Hazard Symbol:**



**Signal Word:** Warning

**Hazard Statement:**  
 Flammable liquid and vapor.  
 Causes serious eye irritation.  
 May cause drowsiness or dizziness.

**Precautionary Statements**

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use... to extinguish.

**Storage:** Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC):** Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.

**3. Composition/information on ingredients**

**Chemical name:**  
 Organo-modified polysiloxane in organic solvent  
**Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
2-methoxy-1-methylethyl acetate		108-65-6	20 - <50%
Ethanol (Ethyl alcohol)		64-17-5	1 - <5%
isobutanol		78-83-1	1 - <3%

\* 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>	fresh air supply, consult a doctor if feeling unwell.
<b>Skin Contact:</b>	In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.
<b>Ingestion:</b>	Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.
<b>Personal Protection for First-aid Responders:</b>	No data available.

##### Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	Depending on the dose inhalation and/or ingestion may cause: headache, inebriation, unconsciousness. Serious eye irritation
<b>Hazards:</b>	No data available.

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

<b>Treatment:</b>	Treat symptomatically.
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#### 5. Fire-fighting measures

##### Suitable (and unsuitable) extinguishing media

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

**Unsuitable extinguishing media:** High volume water jet.

**Special hazards arising from the substance or mixture:** In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide benzene Under certain conditions of combustion traces of other toxic substances cannot be excluded

##### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** Keep away from sources of ignition. 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:** 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.

<b>Accidental release measures:</b>	No data available.
<b>Methods and material for containment and cleaning up:</b>	Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.
<b>Environmental Precautions:</b>	Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

## 7. Handling and storage

### Handling

<b>Technical measures (e.g. Local and general ventilation):</b>	No data available.
<b>Safe handling advice:</b>	Provide good ventilation of working area (local exhaust ventilation if necessary). Use respiratory protection during spraying. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.
<b>Contact avoidance measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Keep container tightly closed in a cool, well-ventilated place.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Ethanol (Ethyl alcohol)	STEL	1,000 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	REL	1,000 ppm      1,900 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
isobutanol	PEL	1,000 ppm      1,900 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
	TWA	50 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	REL	50 ppm      150 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	PEL	100 ppm      300 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

#### Biological Limit Values

No biological exposure limits noted for the ingredient(s).

<b>Appropriate Engineering Controls</b>	No data available.
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## Individual protection measures, such as personal protective equipment

**Eye/face protection:**

Safety glasses

### Skin Protection

**Hand Protection:**

Material: Nitrile rubber.  
Break-through time: 480 min  
Material: Natural rubber.  
Break-through time: 480 min  
Material: Chloroprene  
Break-through time: 480 min  
Material: Butyl rubber.  
Break-through time: 480 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. When using do not eat, drink or smoke.  
Remove soiled or soaked clothing immediately.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

**Physical state:** liquid

**Form:** liquid

**Color:** Colorless

**Odor:** Characteristic

**Odor Threshold:** not measured

**Freezing point:** not measured

**Boiling Point:** not measured

**Flammability:** not measured

#### Upper/lower limit on flammability or explosive limits

**Explosive limit - upper:** not measured

**Explosive limit - lower:** not measured

**Flash Point:** 86 °F/30 °C (DIN EN ISO 2719)

**Self-ignition:** not measured

**Decomposition Temperature:** not measured

**pH:** 4.5 (100 g/l, 20 °C) in Water

#### Viscosity

**Dynamic viscosity:** 1,600 - 2,800 mPa.s (77 °F/25 °C, DIN 53019)

**Kinematic viscosity:** 1460 - 1947 mm<sup>2</sup>/s (77 °F/25 °C, calculated)

**Flow Time:** No data available.

#### Solubility(ies)

**Solubility in Water:** partly soluble

<b>Solubility (other):</b>	not measured
<b>Partition coefficient (n-octanol/water):</b>	not measured
<b>Vapor pressure:</b>	not measured
<b>Relative density:</b>	not measured
<b>Density:</b>	1.13 g/cm <sup>3</sup> (77 °F/25 °C)
<b>Bulk density:</b>	No data available.
<b>Relative vapor density:</b>	not measured

#### Other information

<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
<b>Evaporation Rate:</b>	not measured

### 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 hazardous reactions with proper storage and handling
<b>Conditions to avoid:</b>	Open flames, sparks or input of much heat
<b>Incompatible Materials:</b>	Not known.
<b>Hazardous Decomposition Products:</b>	None with proper storage and handling.

### 11. Toxicological information

#### Information on toxicological effects

##### Information on likely routes of exposure

<b>Inhalation:</b>	Information on effects are given below.
<b>Skin Contact:</b>	Information on effects are given below.
<b>Eye contact:</b>	Information on effects are given below.
<b>Ingestion:</b>	Information on effects are given below.

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

<b>Oral Product:</b>	LD 50 (ATEmix): 2,633 mg/kg
<b>Dermal Product:</b>	LD 50 (ATEmix): > 5,000 mg/kg
<b>Inhalation Product:</b>	No data available.

Product name: SILIKOFTAL® HTT

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**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), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**

No data available.

**In vitro****Product:** No data available.**Components:**Ethanol (Ethyl alcohol) Ames test (OECD 471): negative (analogy)  
gene mutation test (OECD 476): negative (analogy)**In vivo****Product:** No data available.**Components:**

Ethanol (Ethyl alcohol) Chromosomal aberration (OECD 478) Oral (Mouse, Male): 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**Information on health hazards****Other hazards****Product:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

2-methoxy-1-methylethyl acetate	EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 1,000 mg/l (OECD 201)
Ethanol (Ethyl alcohol)	EC 50 (Chlorella vulgaris (Fresh water algae), 72 h): 275 mg/l (OECD 201)
isobutanol	EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): 632 mg/l (OECD 201) Literature
	EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): 1,799 mg/l (OECD 201)

**Toxicity to microorganisms**

**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.

**Components:**

2-methoxy-1-methylethyl acetate	NOEC (Algae (Pseudokirchneriella subcapitata), 96 h): 1,000 mg/l (OECD 201)
isobutanol	NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): 53 mg/l (OECD 201) Literature

**Toxicity to microorganisms**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Components:**

Ethanol (Ethyl alcohol)	58 %
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**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** Log Kow: not measured

**Mobility in soil:**

**Product**

No data available.



**Results of PBT and vPvB assessment:**

**Product** No data available.

**Other adverse effects:**

**Other hazards**  
**Product:** 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 or ID 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), as amended**

None present or none present in regulated quantities.

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

**Chemical Identity**

1-PROPANOL, 2-METHYL-  
 1-BUTANOL

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

**Hazard categories**

Flammable (gases, aerosols, liquids, or solids), Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure), Hazards Not Otherwise Classified (HNOC)

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

None present or none present in regulated quantities.

**US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (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**

No ingredient requiring a warning under CA Prop 65.

**Inventory Status:**

US TSCA Inventory:	Included on Inventory.	
Canada DSL Inventory List:	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>	
E	

E - Safety Glasses, Gloves & Dust Respirator

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

**Issue Date:** 06/03/2019

**Version #:** 1.2

**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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