

Product name: SILIKOFTAL® HTT

SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations
(SOR/2015-17)

1. Identification

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

Recommended use of the chemical and restrictions on use

Recommended use: Industrial use
Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Canada Inc.
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L7N 3J5 Burlington ON
Canada

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Fax : +1 905 332 5632

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)
+1 613 996 6666 (CANUTEC – For Transportation Emergencies Only)
+1 973 929 8060 (Product Regulatory Services)

2. Hazard identification

According to Hazardous Products Regulations

Physical Hazards

Flammable liquids : Category 3
Static-accumulating flammable liquid : Category 1

Health Hazards

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

Label Elements

Hazard Symbol:

Product name: SILIKOFTAL® HTT

**Signal Word:**

Warning

Hazard Statement:

Flammable liquid and vapor.
Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.
Sparks may ignite liquid and vapor.
May cause flash fire or explosion.
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, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection/face protection. These alone may be insufficient to remove static electricity.

Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. 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. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal:

Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Physical Hazards Not Otherwise Classified:

Classification not possible

Health Hazards Not Otherwise Classified:

Classification not possible

3. Composition/information on ingredients**Chemical name:**

Organo-modified polysiloxane in organic solvent

Product name: SILIKOFTAL® HTT
Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)* Reference quantity: Fraction (Weight)
Siloxanes and Silicones, di-Me, polymers with isophthalic acid, Ph silsesquioxanes, silicic acid (H ₄ SiO ₄) tetra-Et ester and trimethylolpropane, ethoxy-terminated	No data available.	200888-74-0	60 - 80%
2-methoxy-1-methylethyl acetate	No data available.	108-65-6	10 - 30%
Ethanol (Ethyl alcohol)	No data available.	64-17-5	1 - 5%
isobutanol	No data available.	78-83-1	1 - 5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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

General information:	Remove soiled or soaked clothing immediately
Inhalation:	fresh air supply, consult a doctor if feeling unwell.
Skin Contact:	In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.
Ingestion:	Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed

Symptoms:	Depending on the dose inhalation and/or ingestion may cause: headache, inebriation, unconsciousness. Serious eye 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: High volume water jet.

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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.

Accidental release measures:

No data available.

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 Prevent product from getting into subsoil/soil.

7. Handling and storage
Handling
Technical measures (e.g. Local and general ventilation):

No data available.

Safe handling advice:

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.

Contact avoidance measures:

No data available.

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

Chemical Identity	Type	Exposure Limit Values	Source
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Product name: SILIKOFTAL® HTT

2-methoxy-1-methylethyl acetate	TWA	50 ppm		Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
	STEL	75 ppm		Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
2-methoxy-1-methylethyl acetate	TWA	50 ppm	270 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Ethanol (Ethyl alcohol)	TWA	1,000 ppm	1,880 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended
Ethanol (Ethyl alcohol)	STEL	1,000 ppm		Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Ethanol (Ethyl alcohol)		1,000 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended
Ethanol (Ethyl alcohol)	STEL	1,000 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Ethanol (Ethyl alcohol)	8 HR ACL	1,000 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended
	15 MIN ACL	1,250 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended
Ethanol (Ethyl alcohol)	TWA	1,000 ppm	1,880 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
	TWA	1,000 ppm		Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Ethanol (Ethyl alcohol)	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended
Ethanol (Ethyl alcohol)	REL	1,000 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
isobutanol	TWA	50 ppm	152 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended
isobutanol	TWA	50 ppm		Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
isobutanol		50 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended
isobutanol	TWA	50 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
isobutanol	8 HR ACL	50 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended
	15 MIN ACL	60 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended
isobutanol	TWA	50 ppm	152 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
	TWA	50 ppm		Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended

Product name: SILIKOFTAL® HTT

isobutanol	TWA	50 ppm		US. ACGIH Threshold Limit Values, as amended
isobutanol	REL	50 ppm	150 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended

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).

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment
Eye/face protection:

Safety glasses

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

Other:

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

Product name: SILIKOFTAL® HTT**Viscosity**

Dynamic viscosity: 1,600 - 2,800 mPa.s (77 °F/25 °C, DIN 53019)
Kinematic viscosity: 1460 - 1947 mm²/s (77 °F/25 °C, calculated)
Flow Time: No data available.

Solubility(ies)

Solubility in Water: partly soluble
Solubility (other): not measured
Partition coefficient (n-octanol/water): not measured
Vapor pressure: not measured
Relative density: not measured
Density: 1.13 g/cm³ (77 °F/25 °C)
Bulk density: No data available.
Relative vapor density: not measured

Other information

Explosive properties: not measured
Oxidizing properties: not oxidizing
Minimum ignition temperature: not measured
Metal Corrosion: Not corrosive to metals
Evaporation Rate: 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: Open flames, sparks or input of much heat
Incompatible Materials: Not known.
Hazardous Decomposition Products: None with proper storage and handling.

11. Toxicological information**Information on toxicological effects****Information on likely routes of exposure**

Inhalation: Information on effects are given below.
Skin Contact: Information on effects are given below.
Eye contact: Information on effects are given below.
Ingestion: Information on effects are given below.

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

Product: LD 50 (ATEmix): 2,633 mg/kg

Dermal

Product: LD 50 (ATEmix): > 5,000 mg/kg

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

ACGIH: US.ACGIH Threshold Limit Values:

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

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended

No carcinogens present or none present in regulated quantities

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

No carcinogens present or none present in regulated quantities

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), 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:

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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:

Siloxanes and Silicones, di-Me, polymers with isophthalic acid, Ph silsesquioxanes, silicic acid (H₄SiO₄) tetra-Et ester and trimethylolpropane, ethoxy-terminated

ErC₅₀ (Algae (*Pseudokirchneriella subcapitata*), 72 h): > 100 mg/l (OECD 201) The effect concentration listed is a nominal concentration

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.

Product name: SILIKOFTAL® HTT

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, polymers with isophthalic acid, Ph silsesquioxanes, silicic acid (H ₄ SiO ₄) tetra-Et ester and trimethylolpropane, ethoxy-terminated	NOEC (Algae (<i>Pseudokirchneriella subcapitata</i>), 72 h): 100 mg/l (OECD 201) The effect concentration listed is a nominal concentration
2-methoxy-1-methylethyl acetate	NOEC (Algae (<i>Pseudokirchneriella subcapitata</i>), 96 h): 1,000 mg/l (OECD 201)
isobutanol	NOEC (Algae (<i>Pseudokirchneriella subcapitata</i>), 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 %

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.

Product name: SILIKOFTAL® HTT

14. Transport information**Domestic regulation****TDG**UN number or ID number : UN 1866
Proper shipping name : RESIN SOLUTIONClass : 3
Packing group : III
Labels : 3
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 SOLUTIONClass : 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**Canada Federal Regulations****List of Toxic Substances (CEPA, Schedule 1)****Chemical Identity**

octamethylcyclotetrasiloxane

Export Control List (CEPA 1999, Schedule 3)

Not Regulated

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National Pollutant Release Inventory (NPRI)
Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements

NPRI PT5	2-methoxy-1-methylethyl acetateEthanol (Ethyl alcohol)
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Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)

NPRI	isobutanol
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Greenhouse Gases

Not Regulated

Canada. Substances Subject to Significant New Activity (SNAc) Reporting Requirements

Not Regulated

Controlled Drugs and Substances Act

CA CDSI	Not Regulated
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CA CDSII	Not Regulated
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CA CDSIII	Not Regulated
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CA CDSIV	Not Regulated
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CA CDSV	Not Regulated
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CA CDSVII	Not Regulated
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CA CDSVIII	Not Regulated
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Precursor Control Regulations

Not Regulated

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
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Issue Date:	06/22/2021
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Version #:	1.1
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Further Information:	No data available.
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Revision Information:	Changes since the last version are highlighted in the margin. This version replaces all previous versions.
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Product name: SILIKOFTAL® HTT

Disclaimer:

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