

Issue Date: 18.08.2021 Last revised date: 11.01.2023 Supersedes Date: 18.08.2021

SAFETY DATA SHEET

1. Identification

Product identifier: SILIKOFTAL® HTL 2/MPA

Other means of identification

Recommended use: Industrial use

Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Australia Pty Ltd

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Australia

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24-Hour Health : +61 2 9037 2994

Emergency

+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Classification according to GHS

Physical Hazards

Flammable liquids Category 3

Health Hazards

Acute toxicity (Oral)

Category 5

Toxic to reproduction

Specific Target Organ Toxicity
Single Exposure

Category 3

(Narcotic effect.)

Label Elements

Hazard Symbol:



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Signal Word: Danger

Hazard Statement: Flammable liquid and vapor.

May be harmful if swallowed. May damage the unborn child. May cause drowsiness or dizziness.

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood. 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. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective

clothing/eye protection/face protection.

Response: Call a POISON CENTER or doctor/ physician if you feel unwell. 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. IF exposed or concerned: Get medical

advice/attention.

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.

Other hazards: None known.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
2-methoxy-1-methylethyl acetate	No data available.	108-65-6	30 - 60%
Ethanol (Ethyl alcohol)	No data available.	64-17-5	<5%



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2-methoxypropyl acetate	No data	70657-70-4	<0.3%
	available.		

^{*} 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 contaminated or soaked clothing immediately and

dispose of safely.

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 water. In case

of discomfort: Supply with medical care.

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.

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.

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



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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. Use selfcontained breathing apparatus and wear protective suit

6. Accidental release measures

Personal precautions, protective equipment and emergency

procedures:

Use personal protective equipment. Keep away sources of

ignition. Ensure adequate ventilation.

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: Do not inhale gases/vapours/aerosols. Avoid contact with

skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary). Use respiratory protection

during spraying.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Do not use plastic containers. Keep container tightly closed

in a cool, well-ventilated place. Do not store together with

oxidizing agents.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Observe national threshold limit values.

Biological Limit Values

Observe national threshold limit values.



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Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information: No data available.

Eye/face protection: Safety glasses

Skin Protection

Hand Protection: Material: Butyl rubber.

Break-through time: 60 min Glove thickness: 0.4 mm

Other: protective clothing

Respiratory Protection: in case of formation of vapours/dusts: 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 not measured Flammability: Upper/lower limit on flammability or explosive limits

Explosive limit - upper: not measured
Explosive limit - lower: not measured

Flash Point: 91 °F/33 °C (DIN EN ISO 2719)

Autoignition Temperature:not measuredDecomposition Temperature:not measuredpH:Not applicable

Viscosity

 Dynamic viscosity:
 1,000 - 1,400 mPa.s (77 °F/25 °C, DIN 53019)

 Kinematic viscosity:
 870 - 1217 mm2/s (77 °F/25 °C, calculated)

Flow Time: No data available.

Solubility(ies)

Solubility in Water: Insoluble



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Solubility (other): not measured
Partition coefficient (n- not measured

octanol/water):

Vapor pressure:not measuredRelative density:not measured

Density: 1.11 - 1.15 g/cm3 (77 °F/25 °C) (DIN 51757)

Bulk density:Relative vapor density:
No data available.
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: Oxidizing agents.

Hazardous Decomposition experiments indicate that small amounts of benzene are

Products: evolved when heated to approx. 180°C and above.

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.

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50 (ATEmix): 3,362 mg/kg

Components:



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2-methoxy-1-methylethyl LD 50 (Rat): 6,190 mg/kg

acetate LD 50 (Rat): 6,190 - 10,000 mg/kg

LD 50 (Rat): 5,155 mg/kg

Ethanol (Ethyl alcohol) LD 50 (Rat): 10,470 mg/kg

2-methoxypropyl acetate No data available.

Dermal

Product: No data available.

Components:

2-methoxy-1-methylethyl LD 50 (Rabbit): > 5,000 mg/kg

acetate

Ethanol (Ethyl alcohol) LD 50 (Rabbit): > 20,000 mg/kg

(analogy)

2-methoxypropyl acetate No data available.

Inhalation

Product: No data available.

Components:

2-methoxy-1-methylethyl LC 50 (Rat, 4 h): > 35.7 mg/l Vapour Not applicable, Dust and mist

acetate

Ethanol (Ethyl alcohol) LC 50 (Rat, Female, Male, 4 h): 124.7 mg/l Vapour Not applicable, Dust and

nıst

2-methoxypropyl acetate No data available., Vapour No data available., Dust and mist

Repeated dose toxicity

Product: No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate No data available.

Skin Corrosion/Irritation

Product: No data available.

Components:

2-methoxy-1-methylethyl OECD 404 (Rabbit): Not irritating

acetate

Ethanol (Ethyl alcohol) OECD 404 (Rabbit): Not irritating

2-methoxypropyl acetate No data available.

Serious Eye Damage/Eye

Irritation

Product: No data available.

Components:

2-methoxy-1-methylethyl OECD 405 (Rabbit): Not irritating

acetate

Ethanol (Ethyl alcohol) OECD 405 (Rabbit): Irritating.

2-methoxypropyl acetate No data available.

Respiratory or Skin Sensitization



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Product: No data available.

Components:

2-methoxy-1-methylethyl Maximization Test, OECD 406 (Guinea Pig): Not a skin sensitizer.

Maximization Test, OECD 406 (Guinea pig): Not a skin sensitizer. Ethanol (Ethyl alcohol)

No data available.

No data available.

No data available.

Respiratory sensitizer (Rat): Not a respiratory sensitizer

2-methoxypropyl acetate

Carcinogenicity

Product: No data available.

Components:

2-methoxy-1-methylethyl

acetate

Not classified Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate

Germ Cell Mutagenicity

No data available.

In vitro

Product: No data available. Components:

2-methoxy-1-methylethyl

Ethanol (Ethyl alcohol)

acetate

Ames test (OECD 471): negative (analogy) gene mutation test (OECD 476): negative (analogy)

2-methoxypropyl acetate No data available.

In vivo

Product: No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) Chromosomal aberration (OECD 478) Oral (Mouse, Male): negative

2-methoxypropyl acetate No data available.

Reproductive toxicity

Product: No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) Not classified

2-methoxypropyl acetate Presumed human reproductive toxicant May damage the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

2-methoxy-1-methylethyl Inhalation - vapor: Central nervous system. - Category 3 with narcotic

acetate effects.

No data available.

Ethanol (Ethyl alcohol)

2-methoxypropyl acetate Inhalation - vapor: Respiratory system - Category 3 with respiratory tract

irritation.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:



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2-methoxy-1-methylethyl

No data available.

acetate

Ethanol (Ethyl alcohol) 2-methoxypropyl acetate No data available. No data available.

Aspiration Hazard

Product: Not classified

Components:

2-methoxy-1-methylethyl

Not classified

acetate

Ethanol (Ethyl alcohol) 2-methoxypropyl acetate

Not classified 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.

Components:

2-methoxy-1-methylethyl

LC 50 (Oncorhynchus mykiss, 96 h): > 100 - 180 mg/l

acetate

NOEC (Oncorhynchus mykiss, 96 h): 100 mg/l

Ethanol (Ethyl alcohol) LC 50 (Pimephales promelas, 96 h): 11,200 mg/l

2-methoxypropyl acetate No data available.

Aquatic Invertebrates

Product: No data available.

Components:

2-methoxy-1-methylethyl

EC 50 (Daphnia magna, 48 h): > 500 mg/l

acetate

Ethanol (Ethyl alcohol)

2-methoxy-1-methylethyl

LC 50 (Ceriodaphnia dubia, 48 h): 5,012 mg/l

2-methoxypropyl acetate No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

acetate

(OECD 201)

EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 1,000 mg/l

Ethanol (Ethyl alcohol) EC 50 (Chlorella vulgaris (Fresh water algae), 72 h): 275 mg/l (OECD

2-methoxypropyl acetate No data available.

Toxicity to microorganisms

No data available. **Product:**

Components:



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EC 10 (activated sludge, 0.5 h); > 1.000 mg/l (OECD 209) 2-methoxy-1-methylethyl

acetate

Ethanol (Ethyl alcohol) IC 50 (activated sludge, 3 h): > 1,000 mg/l (OECD 209) (analogy)

2-methoxypropyl acetate No data available.

Toxicity to soil dwelling organisms

Product: No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate No data available.

Toxicity to terrestrial organisms

Product: No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

2-methoxy-1-methylethyl NOEC (Oryzias latipes, 14 d): 47.5 mg/l (OECD 204)

LC 50 (Oryzias latipes, 14 d): 63.5 mg/l (OECD 204) acetate NOEC (Danio rerio, 120 h): 1,000 mg/l (OECD 212) Ethanol (Ethyl alcohol)

2-methoxypropyl acetate No data available.

Aquatic Invertebrates

Product: No data available.

Components:

NOEC (Daphnia magna, 21 d): 100 mg/l (OECD 211) 2-methoxy-1-methylethyl

EC 50 (Daphnia magna, 21 d): > 100 mg/l (OECD 211) acetate

LC 50 (Ceriodaphnia dubia, 10 d): 1,806 mg/l Ethanol (Ethyl alcohol)

NOEC (Ceriodaphnia dubia, 10 d): 9.6 mg/l LC 50 (Daphnia magna, 2 d): 9,248 mg/l LC 50 (Daphnia magna, 9 d): 454 mg/l NOEC (Daphnia magna, 9 d): 9.6 mg/l

2-methoxypropyl acetate No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

2-methoxy-1-methylethyl NOEC (Algae (Pseudokirchneriella subcapitata), 96 h): 1,000 mg/l

acetate (OECD 201)

Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate No data available.

Toxicity to microorganisms

Product: No data available.

Components:

2-methoxy-1-methylethyl EC 10 (activated sludge, 0.5 h): > 1,000 mg/l (OECD 209)

acetate

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Ethanol (Ethyl alcohol) IC 50 (activated sludge, 3 h): > 1,000 mg/l (OECD 209) (analogy)

2-methoxypropyl acetate No data available.

Toxicity to soil dwelling organisms

Product: No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate No data available.

Toxicity to terrestrial organisms

Product: No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Components:

2-methoxy-1-methylethyl 83 % (28 d, OECD 301 F) The product is easily biodegradable., aerobic

acetate

Ethanol (Ethyl alcohol) 84 % (20 d) The product is easily biodegradable., aerobic

2-methoxypropyl acetate No data available.

BOD/COD Ratio

Product: No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) 58 %

2-methoxypropyl acetate No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: not measured

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) Log Kow: -0.35 20 °C 2-methoxypropyl acetate No data available.



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Mobility in soil:

Product No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate No data available.

Product No data available.

Components:

2-methoxy-1-methylethyl No data available.

acetate

Ethanol (Ethyl alcohol) No data available. 2-methoxypropyl acetate 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

ADG

UN number or ID number : UN 1866

Proper shipping name : RESIN SOLUTION

Class : 3
Packing group : III
Labels : 3
Hazchem Code : •3Y

International Regulations

IATA-DGR

UN/ID No. : UN 1866
Proper shipping name : Resin solution

Class : 3
Packing group : III
Labels : 3
Packing instruction (cargo : 366

aircraft)

Packing instruction : 355

(passenger aircraft)



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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

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

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

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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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