

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: SILIKOPHEN P 40/W

Chemical name:

Emulsion of phenyl methyl polysiloxane resins

Other means of identification

Recommended restrictions

Recommended use: Industrial Use

Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
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USA

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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

Serious eye irritation Category 2

Label Elements

Hazard Symbol:



Signal Word:	Warning
Hazard Statement:	Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation.
Precautionary Statements	
Prevention:	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection.
Response:	IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage:	Store in a well-ventilated place. Keep cool.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Chemical name:

Emulsion of phenyl methyl polysiloxane resins

Mixtures

Chemical Identity	CAS number	Content in percent (%) [*]
Xylene	1330-20-7	>=5 - <10%
1-Propanol, 2-methyl-	78-83-1	>=1 - <5%
Ethylbenzene	100-41-4	>=1 - <5%
Methanol	67-56-1	>=0.1 - <1%
Ammonium hydroxide ((NH ₄)(OH))	1336-21-6	>=0.1 - <1%

^{*} 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. Consult a doctor if skin irritation persists.
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 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: Serious eye irritation 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

Special protective equipment and precautions for firefighters

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

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. Keep away from sources of ignition - no smoking. Ensure adequate ventilation.

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: Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary).

Contact avoidance measures: No data available.

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

Storage

Safe storage conditions: Keep container tightly closed and dry. Protect from heat and direct sunlight. Protect from freezing. Stir before use!

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

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

Individual protection measures, such as personal protective equipment

Eye/face protection: safety glasses

Skin Protection

Hand Protection:

Material: gloves made of nitril (NBR)
 Break-through time: 240 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. Remove soiled or soaked clothing immediately. Do not eat, drink or smoke when working.

9. Physical and chemical properties

Appearance

Physical state:

liquid

Form:

liquid

Color:

White

Odor:

specific to the product

Odor Threshold:

not measured

pH:

5 - 7 (25 °C) delivered form

Freezing point:

not measured

Boiling Point:

not measured

Flash Point:

90 °F (DIN EN ISO 2719)

Evaporation Rate:

not measured

Flammability (solid, gas):

no data available

Explosive limit - upper (%):

not measured

Explosive limit - lower (%):

not measured

Vapor pressure:	not measured
Vapor density (air=1):	not measured
Density:	1.05 - 1.15 g/cm ³ (25 °C)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	miscible
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
Kinematic viscosity:	No data available.
Dynamic viscosity:	not determined
Other information	
Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Minimum ignition temperature:	not measured
Metal Corrosion:	Not corrosive to metals

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions"
Chemical Stability:	The product is stable under normal conditions.
Possibility of hazardous reactions:	Reactions with oxidizing agents.
Conditions to avoid:	Unknown
Incompatible Materials:	Unknown
Hazardous Decomposition Products:	Hydrolysis may produce methanol if product is not stored properly. experiments indicate that small amounts of benzene are evolved when heated to approx. 180°C and above. Minor amounts of formaldehyde may develop in the presence of air and at temperatures > 150°C.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	If handled correctly, not a 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:

Components:

1-Propanol, 2-methyl- LD 50 (Rat): 2,460 mg/kg

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

Dermal

Product:

Components:

1-Propanol, 2-methyl- LD50 (Rabbit): 4,200 mg/kg

Ethylbenzene LD 50 (Rabbit): 15,354 mg/kg

Inhalation

Product:

Components:

1-Propanol, 2-methyl- LC 50 (Rat): > 24.6 mg/l

Ethylbenzene Vapour LC 50 (Rat): 17.2 mg/l

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
bacterial reverse mutation assay (e.g. Ames test) (OECD 471): negative
Methanol 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: Causes skin irritation. Causes serious eye irritation.

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: 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:

Xylene	No data available.
1-Propanol, 2-methyl-	No data available.
Ethylbenzene	No data available.
Methanol	No data available.
Ammonium hydroxide ((NH ₄)(OH))	No data available.

Other adverse effects: Do not allow to enter soil, waterways or waste water canal. The product is classified as extremely 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 1993
Proper shipping name	:	Flammable liquids, n.o.s. (Xylene, Isobutanol, mixture)
Class	:	3
Packing group	:	III
Labels	:	3
ERG Code	:	128
Marine pollutant	:	no

International Regulations

IATA-DGR

UN/ID No. : UN 1993

Proper shipping name : Flammable liquid, n.o.s.
(Xylene, Isobutanol, mixture)

Class : 3

Packing group : III

Labels : 3

Packing instruction (cargo aircraft) : 366

Packing instruction (passenger aircraft) : 355

IMDG-Code

UN number : UN 1993

Proper shipping name : FLAMMABLE LIQUID, N.O.S.
(Xylene, Isobutanol, mixture)

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.
1-Propanol, 2-methyl-	5000 lbs.
Ethylbenzene	1000 lbs.
Methanol	5000 lbs.
Acetic acid	5000 lbs.
Ammonium hydroxide ((NH ₄)(OH))	1000 lbs.
sodium hydroxide	1000 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>
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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.
Acetic acid	Reportable quantity: 5000 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
1-Propanol, 2-methyl-
Ethylbenzene

US. Massachusetts RTK - Substance List
Chemical Identity

 Xylene
 1-Propanol, 2-methyl-
 Ethylbenzene

US. Pennsylvania RTK - Hazardous Substances
Chemical Identity

 Xylene
 1-Propanol, 2-methyl-
 Ethylbenzene

US. Rhode Island RTK
Chemical Identity

 Xylene
 1-Propanol, 2-methyl-
 Ethylbenzene

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

Health	<input type="text" value="2"/>
Flammability	<input type="text" value="3"/>
Physical Hazards	<input type="text" value="0"/>
PERSONAL PROTECTION	<input checked="" type="checkbox"/>

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.

Disclaimer:

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