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
299 Jefferson Road
Parsippany, NJ 07054
USA

Telephone: +1 973 929 8000
Fax: +1 973 929 8042
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
- 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


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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>&gt;=5 - &lt;10%</td>
</tr>
<tr>
<td>1-Propanol, 2-methyl-</td>
<td>78-83-1</td>
<td>&gt;=1 - &lt;5%</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>&gt;=1 - &lt;5%</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>&gt;=0.1 - &lt;1%</td>
</tr>
<tr>
<td>Ammonium hydroxide ((NH4)(OH))</td>
<td>1336-21-6</td>
<td>&gt;=0.1 - &lt;1%</td>
</tr>
</tbody>
</table>

* 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

Hazard: 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 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/cm³ (25 °C)
Relative density: No data available.
Relative density:
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

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: 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:
Components: No data available.

- Xylene
- 1-Propanol, 2-methyl-
- Ethylbenzene
- Methanol
- Ammonium hydroxide ((NH4)(OH))

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):

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>1-Propanol, 2-methyl-</td>
<td>5000 lbs.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1000 lbs.</td>
</tr>
<tr>
<td>Methanol</td>
<td>5000 lbs.</td>
</tr>
<tr>
<td>Acetic acid</td>
<td>5000 lbs.</td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>1000 lbs.</td>
</tr>
<tr>
<td>((NH4)(OH))</td>
<td></td>
</tr>
<tr>
<td>sodium hydroxide</td>
<td>1000 lbs.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
</table>

SARA 313 (TRI Reporting)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reporting threshold for other users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>Otherwise used (non-manufacturing/processing)</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Otherwise used (non-manufacturing/processing)</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>Reportable quantity: 100 lbs.</td>
</tr>
<tr>
<td>Acetic acid</td>
<td>Reportable quantity: 5000 lbs.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
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<tr>
<td>Xylene</td>
</tr>
<tr>
<td>1-Propanol, 2-methyl-</td>
</tr>
<tr>
<td>Ethylbenzene</td>
</tr>
</tbody>
</table>
### 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.

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

**HMIS Hazard ID**

<table>
<thead>
<tr>
<th>Health</th>
<th>2</th>
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</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>3</td>
</tr>
<tr>
<td>Physical Hazards</td>
<td>0</td>
</tr>
</tbody>
</table>

- **PERSONAL PROTECTION:** 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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