

# Safety Data Sheet

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Silicone-hydride containing polysiloxane in Xylenes

## 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

**Products governed by this MSDS:** SIK-XYL, SIL-XYL, SIM-XYL, SIN-XYL, SIO-XYL, SIP-XYL, PCNM###-###-XYL-PART 2, PCNM19A-###-XYL, PCNM20-###-XYL-Part 2, PCNM27-###-PART 2, PCNM27A-###-PART 2, PCNM63-###-PART 2, PCNM64-###-PART 2, Where “#” and “##” are any numeric combination.

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## 2. HAZARD IDENTIFICATION

### GHS Classification

Flammable Liquid (Category 3)  
Skin irritation (Category 2)  
Aspiration Hazard (Category 1)  
Eye irritation (Category 2A)  
Specific target organ toxicity - single exposure (Category 3)  
Specific target organ toxicity - repeated exposure (Category 2)  
Carcinogenicity (category 2)  
Acute toxicity, Dermal (category 4)  
Acute toxicity, Inhalation (category 4)  
Acute Aquatic toxicity (category 2)

### GHS Label elements

Precautionary pictograms:



Signal word: DANGER

Hazard statements:

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled
H335	May cause respiratory irritation.
H351	Suspected of causing cancer

H373 May cause damage to organs through prolonged or repeated exposure  
 H401 Toxic to aquatic life

Precautionary statements:

Prevention:

P201 Obtain special instructions before use  
 P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground/bond container and receiving equipment  
 P241 Use explosion-proof electrical/ventilating/lighting equipment etc...  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash hands thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area  
 P273 Avoid release to the environment  
 P280 Wear protective gloves/protective clothing/eye protection/face

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 P302+P352: IF ON SKIN: Wash with plenty of water. If irritation persists, repeat flushing.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
 P331 Do not induce vomiting  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse  
 P370+P378 In case of fire: Use dry sand, foam, carbon dioxide or dry chemical powder extinguisher for extinction.

Storage:

P403+P233 Store in a well ventilated place. Keep container tightly closed.  
 P403+P235 Store in a well ventilated place. Keep cool.  
 P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with all national and local regulations.

### 3. COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS#	%
Silicone-hydride containing polysiloxane	Trade secret	20-80
Xylenes, mixed isomers	1330-20-7	14-72
Ethylbenzene	100-41-4	2-24

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard found at 29 CFR 1910.1200. Exact concentrations are being withheld due to trade secrets and due to variability of concentrations covering the range of products indicated above.

#### 4. FIRST AID MEASURES

**Consult a physician. Show this MSDS to the doctor.**

##### Eye

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, while holding the eyelid(s) open. Obtain medical advice.

##### Skin

Remove contaminated clothing, shoes, and leather goods. Quickly and gently, blot or brush away excess chemical. Wash gently and thoroughly with lukewarm gently flowing water and non-abrasive soap for 20 minutes. If irritation persists, repeat flushing. Obtain medical advice. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

##### Inhalation

Move person to fresh air. Give artificial respiration if needed. If breathing is difficult, qualified personnel should administer oxygen. Get immediate medical attention.

##### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.

#### 5. FIRE-FIGHTING MEASURES

##### Extinguishing Media

Use water fog or spray, universal foam, carbon dioxide or dry chemical.

##### Special Fire Fighting Procedures

Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

##### Unusual Fire Hazards

Flammable in the presence of an ignition source when temperature is above the flash point. Vapors can accumulate in low areas, and can form explosive concentrations. Product can release hydrogen.

##### Hazardous Decomposition Products

Hydrogen, organic acid vapors, silicon dioxide. Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Vapor explosion hazard. Wear appropriate protective clothing to prevent eye and skin contact. Ventilate area. Keep out of sewers. Isolate area and keep unnecessary and unprotected personnel from entering the area. Cover with an inert absorbent material and collect into an appropriate container for disposal. Report spills and releases as required to appropriate authorities.

#### 7. HANDLING AND STORAGE

##### Handling

Avoid breathing vapors, aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Keep product away from heat, sparks, flames and all other sources of ignition.

Vapors are heavier than air and may travel long distances and accumulate in low lying areas. Ignition and/or flashback can occur.

Electrically ground and bond all equipment. Use of non-sparking or explosion-proof equipment may be necessary. Empty containers

can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. This product is a poor conductor of electricity and can become electrostatically charge, even in bonded or grounded equipment. Operations that can promote accumulation of static charges include but are not limited to mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, container cleaning, sampling, gauging, etc.

#### Storage

Store in a cool, dry, well-ventilated location away from incompatible materials. Keep containers closed when not in use. Minimize sources of ignition.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	Exposure Limits
Silicone-hydride containing polysiloxane	None Established
Xylenes	TWA/PEL 100 ppm (OSHA) TWA 100 ppm (ACGIH TLV)
Ethylbenzene	TWA/PEL 100 ppm (OSHA) TWA 100 ppm (ACGIH TLV)

#### Respiratory Protection

If needed, an approved respirator with organic vapor/P100/N100 cartridges may be used. For higher exposures, a supplied air respirator may be required. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice. Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

#### Skin Protection

Impervious gloves are recommended. Consult with glove supplier.

#### Eye Protection

Chemical safety goggles recommended.

#### Other Protective Equipment

Impervious clothing is required to prevent skin contact and contamination of personal clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Liquid, colorless to light yellow

Properties shown are for Xylenes/Ethylbenzene.

<b>pH:</b>	Not available	<b>Specific Gravity:</b>	0.86 g/mL (20C)
<b>Boiling Point:</b>	137-140 °C	<b>Melting Point:</b>	<-25C (<-13F)
<b>Vapor Pressure:</b>	Not available	<b>Water Solubility:</b>	Not available
<b>Vapor Density:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Flash Point:</b>	25 °C (77 °F) Closed Cup	<b>Flammable Limits: LEL:</b>	1.1 vol%
<b>Flammable Limits: UEL:</b>	7 vol%		

## 10. STABILITY AND REACTIVITY

#### Incompatible materials

Oxidizing agents, strong acids, alkalis, reducing agents, metal salts, precious metals, amines, alcohols, water. Reaction causes the formation of hydrogen.

**Conditions to avoid**

Moisture. Keep away from heat, sparks, flames and other sources of ignition. Contact with contaminated piping or vessels or with corroded and rusty containers can increase the rate of hydrogen formation.

**Hazardous Decomposition Products**

Hydrogen, organic acid vapors, silicon dioxide. Combustion will produce oxides of carbon.

**11. TOXICOLOGICAL INFORMATION****Health Hazards:**

Eyes: causes eye irritation.

Skin: Harmful if absorbed through skin. Irritating to skin.

Inhalation: Harmful if inhaled. Causes respiratory tract irritation.

Ingestion: Harmful or fatal if swallowed.

Aspiration: May be fatal if swallowed and enters airways.

Repeated/Chronic Exposure: central nervous system, auditory organs, lungs.

Specific target organ toxicity: narcotic effect. Respiratory tract irritation..

**Carcinogenicity:**

An increased tumor incidence has been observed in experimental animals; the significance of this finding to man is unknown.  
(Ethylbenzene)

**No toxicological data available for product****Xylenes Toxicity Data**

Oral LD50 – rat: >2000 - <=5,000 mg/kg

Dermal LD50 – rabbit: > 1,700 mg/kg

Inhalation LC50 (4h) – rat: 5,000 ppm

**12. ECOLOGICAL INFORMATION****No data available for product****13. DISPOSAL INFORMATION**

Dispose of by incineration. Dispose in accordance with all local, state and federal regulations.

Dispose of contaminated packaging as unused product.

**14. TRANSPORT INFORMATION**

<b>DOT Shipping Name:</b>	Xylenes Mixture
<b>DOT Hazard Class:</b>	3, PG III
<b>UN Number:</b>	UN1307
<b>Hazardous Substance:</b>	Xylenes
<b>Reportable Quantity:</b>	100 lbs
<b>IATA Shipping Name:</b>	Xylenes Mixture
<b>IATA Hazard Class:</b>	3, PG III
<b>UN Number:</b>	UN1307

## 15. REGULATORY INFORMATION

The status under the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) has not been determined. This product should only be used for Research and Development as allowed in 40 CFR 720.36.

Warning: this product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

## 16. OTHER INFORMATION

**MSDS Date of Preparation:** 05/15/2015

Glossary:

IARC = International Agency for Research of Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Act

TSCA = Toxic substances Control Act

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