Safety Data Sheet

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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Emergency Phone Number:
Chemtrec Domestic North America: 800-424-9300
Chemtrec International: 703-527-3887

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
3. COMPOSITION/INFORMATION OF INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicone-hydride containing polysiloxane</td>
<td>Trade secret</td>
<td>20-80</td>
</tr>
<tr>
<td>Xylenes, mixed isomers</td>
<td>1330-20-7</td>
<td>14-72</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>2-24</td>
</tr>
</tbody>
</table>
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 filing, 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

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicone-hydride containing polysiloxane</td>
<td>None Established</td>
</tr>
<tr>
<td>Xylenes</td>
<td>TWA/PEL 100 ppm (OSHA)</td>
</tr>
<tr>
<td></td>
<td>TWA 100 ppm (ACGIH TLV)</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>TWA/PEL 100 ppm (OSHA)</td>
</tr>
<tr>
<td></td>
<td>TWA 100 ppm (ACGIH TLV)</td>
</tr>
</tbody>
</table>

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.

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

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

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