1. Identification

Product Name: CoverMount, Xylene
Synonyms: Mounting coverslips over tissue sections.
Recommended Use: N/A
Restrictions on Use: N/A
Supplier: Avantik
32 Commerce St, Springfield, NJ 07081
(800) 783-9424

Item #: SL6012-A, SL6012-B

2. Hazards Identification

OSHA Hazard Classification(s):
- Skin Irritation - Category 2
- Eye Irritation - Category 2A
- Specific Target Organ Toxicity (single exposure) - Category 1
- Specific Target Organ Toxicity (repeated exposure) - Category 2
- Toxic to Reproduction - Category 1B
- Flammable Liquids - Category 2

Signal Word: Danger

Hazard Statement(s): Causes skin irritation. Causes serious eye irritation. Causes damage to organs (skin, lungs). May cause damage to organs (kidney, liver) through prolonged or repeated exposure. May damage fertility or the unborn child. Highly flammable liquid and vapor.

Pictogram(s):

Precautionary Statement(s):

Prevention: Wash body thoroughly after handling. Wear protective gloves. Wear eye protection, face protection. Do not breathe dust, vapors. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection and face protection. Keep away from heat sources and open flame. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting and equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Response: If on skin: Wash with plenty of water. Specific treatment (see first aid section on this label). If skin irritation or rash occurs: Get medical attention. Take off all contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing If eye irritation persists: Get medical attention. If exposed or concerned: Call a doctor. Call a doctor if you feel unwell. If exposed or concerned: Get medical attention. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use water, dry chemical, CO2 or foam to extinguish.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local regulations.

Percent of mixture with unknown acute toxicity: N/A

3. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS #</th>
<th>Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td></td>
<td>1330-20-7</td>
<td>Trade Secret</td>
</tr>
<tr>
<td>Acrylate Polymer</td>
<td></td>
<td>Trade Secret</td>
<td>Trade Secret</td>
</tr>
</tbody>
</table>
4. First Aid Measures

**Eye Contact:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin Contact:** If on skin (or hair): Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

**Inhalation:** Remove to fresh air; give artificial respiration if breathing has stopped. Get medical advice/attention if you feel unwell.

**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

**Symptoms:** Irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, exhaustion), narcosis; cough; liver damage; anemia; reproductive, teratogenic effects

**Recommendations for immediate medical care/special treatment:** Get medical advice/attention if you feel unwell.

Health effects include liver enlargement, narcosis, mild anemia, eye, nose and throat irritation.

5. Fire-Fighting Measures

**Extinguishing Media:** Dry chemical, carbon dioxide, alcohol foam, water. Use water spray to cool fire-exposed containers and disperse vapors.

**Fire Hazards (Chemical):** OSHA classified Flammable Liquid

**Special Protective Equipment:** Fire fighters should use self-contained breathing apparatus and protective clothing.

**Precautions for Firefighters:** Carbon monoxide and unidentified organic compounds may be formed during combustion. Vapors can travel distances to ignition source and flash back. Cool fire exposed containers with water. Fine mist or spray may be flammable at temperatures below the flash point. When heated above the flash point this material emits flammable vapors which, when mixed with air, can burn or be explosive.

6. Accidental Release Measures

**Emergency Procedures:** Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

**Protective Equipment:** See section 8

**Environmental Precautions:** Prevent release to the environment by using barriers.

**Containment and Clean-Up Procedures:** Use barriers to prevent spreading. Collect spill in container. Call waste authorities.

7. Handling and Storage

**Handling:** Do not breathe vapors. Do not eat, drink or smoke when using this product. Keep away from heat, sparks, open flames, hot surfaces. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

**Storage:** Store locked up. Store in a well-ventilated place. Keep cool. Store away from heat, sources of ignition and open flame.

8. Exposure Controls/Personal Protection

**OSHA Permissible Exposure Limits (PELs):**

<table>
<thead>
<tr>
<th>Reagent</th>
<th>CAS #</th>
<th>OSHA PEL TWA</th>
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</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>100ppm</td>
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</table>

**ACGIH Threshold Limit Values (TLVs):**

<table>
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<tr>
<th>Reagent</th>
<th>CAS #</th>
<th>ACGIH PEL TLV</th>
<th>ACGIH STEL</th>
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<tbody>
<tr>
<td>Xylene</td>
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<td>100ppm</td>
<td>150ppm</td>
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</table>

**Engineering Controls:** Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

**Personal Protective Measures:** Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.

**Special PPE Requirements:** If ventilation hood not available wear respirator.
9. Physical and Chemical Properties Section

**Appearance:** Colorless, Liquid  
**Molecular Weight:** N/A  
**Molecular Formula:** N/A  
**pH:** N/A  
**Boiling Point and Boiling Range:** 279°F  
**Melting Point/Freezing Point:** -54°F  
**Flash Point:** N/A  
**Specific Gravity/Relative Density:** N/A  
**Odor:** N/A  
**Odor Threshold:** N/A  
**Color:** Colorless  
**Flammability (solid/gas):** N/A  
**Vapor Density:** N/A  
**Upper/Lower flammability or explosive limits:** LEL 1.00%; UEL 7.00%  
**Vapor Pressure:** 9mmHg @20°C  
**Evaporation Rate:** 0.72, slower than ether  
**Partition Coefficient:** n-octanol/water: N/A  
**Viscosity:** N/A  
**Auto-ignition temperature:** N/A  
**Solubility:** Negligible in water.  
**Decomposition Temperature:** N/A

10. Stability and Reactivity

**Reactivity:** Stable  
**Conditions of Stability/Instability:** Instable under heat.  
**Stabilizers needed:** None  
**Safety issue indicated by appearance change:** N/A  
**Other:** N/A  
**Hazardous Reactions:** N/A  
**Hazardous Polymerization:** Does not occur  
**Conditions to avoid:** N/A  
**Classes of Incompatible Materials:** Oxidizers, Strong Acids, Strong Bases  
**Hazardous Decomposition Products:** Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (i.e. Carbon monoxide) may be released in a fire.

11. Toxicological Information

**Likely Routes of Exposure**  
**Eyes:** Irritation.  
**Skin:** Irritation.  
**Inhalation:** Dizziness, headache, nausea, narcosis  
**Ingestion:** Nausea, blindness.

**Signs or Symptoms of Exposure:** Irritation eyes, skin, nose, mucous membrane; headache, dermatitis, narcosis, coma, dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis.

**Effects from short term exposure (delayed, immediate, chronic):** Irritation to the eyes, nose, throat; headache, dizziness, nausea. Target organs: eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys.
Acute Toxicity (Numerical Measures): Xylene: LD50 (oral, mouse) = 2119 mg/kg; LC50 (inhalation, mammal) = 30 gm/m^3; LC50 (inhalation, rat) = 5000 ppm/4HLD50 (skin, rabbit) => 1700 mg/kg

Carcinogenicity (NTP, IARC, OSHA): Does not contain any known carcinogens.

12. Ecological Information

Ecotoxicity: N/A
Persistence and degradability: N/A
Bioaccumulation Potential (octanol-water partition coefficient, BCF): N/A
Mobility in the soil: N/A
Adverse Environmental Effects: N/A

13. Disposal Considerations

Recommended Disposal Containers: Check with your local waste authorities*
Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*
Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*
Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*
Waste Stream: Consult your local or regional authorities.*

14. Transport Information

UN Number: UN1307
UN Proper Shipping Name: Xylenes
Transport Hazard Class(es): 3
Packing Group Number: III
Environmental Hazards (IMDG code):
Marine Pollutant: No
Transport in Bulk (IBC Code): N/A
Special Transport Precautions: N/A

15. Regulatory Information

OSHA:
DOT:
EPA:
CPSC:
16. Other Information

Revision Date: 06/10/2014

NFPA

<table>
<thead>
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<th>Value</th>
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HMIS

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<tr>
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<td>Physical Hazard</td>
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<tr>
<td>Personal Protection</td>
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