### Section 1. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Common Name/Trade Name</th>
<th>Sodium Acetylide, 20% (w/w) Slurry in Xylene/Oil (85:15)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248</td>
</tr>
<tr>
<td>Commercial Name(s)</td>
<td>Not available.</td>
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<tr>
<td>Synonym</td>
<td>Sodium Acetylide, 20% Suspension in Xylene/Mineral Oil; Sodium Acetylide, 20% Suspension in Xylene/Mineral Oil 85:15</td>
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<tr>
<td>Chemical Name</td>
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</tr>
<tr>
<td>Chemical Family</td>
<td>Not available.</td>
</tr>
<tr>
<td>Chemical Formula</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Supplier</td>
<td>SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248</td>
</tr>
</tbody>
</table>

#### Toxicological Data on Ingredients

- **Xylenes:**
  - **ORAL (LD50):** Acute: 4300 mg/kg [Rat]. 2119 mg/kg [Mouse].
  - **DERMAL (LD50):** Acute: >1700 mg/kg [Rabbit].

### Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Sodium Acetylide</td>
<td>1066-26-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) Xylenes</td>
<td>1330-20-7</td>
<td>130-25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3) Mineral oil (white)</td>
<td>8042-47-5 (also 8012-95-1)</td>
<td>434</td>
<td>651</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>65-70</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10-15</td>
</tr>
</tbody>
</table>

### Section 3. Hazards Identification

**Potential Acute Health Effects:** Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Hazardous in case of inhalation. Slightly hazardous in case of skin contact (corrosive, permeator), of eye contact (corrosive). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Exposure Limits:**
- **TWA (mg/m³):**
  - Sodium Acetylide: 434
  - Xylenes: 130-25
  - Mineral oil: 8042-47-5
- **STEL (mg/m³):**
  - Sodium Acetylide: 651
  - Xylenes: 20
  - Mineral oil: 65-70
- **CEIL (mg/m³):**
  - Sodium Acetylide: 20
  - Xylenes: 65-70
  - Mineral oil: 10-15

**% by Weight:**
- Sodium Acetylide: 20%
- Xylenes: 65-70%
- Mineral oil: 10-15%

**In Case of Emergency:** CHEMTREC (24hr) 800-424-9300

**CALL (310) 516-8000**

**NFPA:**
- Health Hazard: 3
- Fire Hazard: 3
- Reactivity: 2

**HMIS:**
- Health: 3
- Flammability: 3
- Reactivity: 2

**Personal Protective Equipment:** See Section 15.
Sodium Acetylide, 20% (w/w) Slurry in Xylene/Oil (85:15)

Potential Chronic Health Effects
CARCINOGENIC EFFECTS: Classified 3 (Not classifiable for human.) by IARC [Xylenes]. Classified 3 (Not classifiable for human.) by IARC [Mineral oil light, white].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance may be toxic to blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Section 4. First Aid Measures

Eye Contact
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion
Not available.

Section 5. Fire and Explosion Data

Flammability of the Product
Flammable.

Auto-Ignition Temperature
The lowest known value is 464°C (867.2°F) (Xylenes).

Flash Points
CLOSED CUP: 26°C (78.8°F).

Flammable Limits
The greatest known range is LOWER: 1% UPPER: 7% (Xylenes)

Products of Combustion
These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances
Highly flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances
Risks of explosion of the product in presence of mechanical impact: Not available.
Slightly explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions
Flammable liquid, insoluble in water.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog.

Special Remarks on Fire Hazards
Reacts with water forming flammable acetylene gas.
Burns in air with sooty black smoke.

Special Remarks on Explosion Hazards
Vapors may form explosive mixtures with air.
Containers may explode when heated.
May polymerize explosively when heated.
An attempt to chlorinate xylene with 1,3-Dichloro-5,5-dimethyl-2,4-imidazolidindione (dichlorohydrantoin) caused a violent explosion (Xylenes)

Continued on Next Page
Section 6. Accidental Release Measures

Small Spill
Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill
Toxic flammable liquid, insoluble or very slightly soluble in water. Corrosive liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7. Handling and Storage

Precautions
Keep under inert atmosphere. Keep container dry. Do not ingest. Do not breathe gas/fumes/vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Storage
Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep from any possible contact with water. Do not allow water to get into container because of violent reaction.

Section 8. Exposure Controls/Personal Protection

Engineering Controls
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection

Personal Protection in Case of a Large Spill
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits
Xylenes
TWA: 100 (ppm) [Canada]
TWA: 435 (mg/m^3) [Canada]
TWA: 434 STEL: 651 (mg/m^3) from ACGIH (TLV) [United States]
TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States]
Mineral oil light, white.
TWA: 5 STEL: 10 (mg/m^3)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state and appearance
Liquid. (Slurry. A Tan dispersion under clear, colorless liquid)

Molecular Weight
Not applicable.

pH (1% soln/water)
Not applicable.

Boiling Point
137°C (278.6°F)

Melting Point
May start to solidify at -47.4°C (-53.3°F) based on data for: Xylenes.

Critical Temperature
Not available.

Specific Gravity
0.86 (Water = 1)

Vapor Pressure
The highest known value is 0.9 kPa (@ 20°C) (Xylenes). Weighted average: 0.78 kPa (@ 20°C)

Vapor Density
The highest known value is 3.7 (Air = 1) (Xylenes).

Volatility
100% (v/v). (Xylenes.) 100% (w/w). ( Xylenes.)

Odor Threshold
The highest known value is 1 ppm (Xylenes)

Continued on Next Page
**Sodium Acetylide, 20% (w/w) Slurry in Xylene/Oil (85:15)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water/Oil Dist. Coeff.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Ionicity (in Water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Dispersion Properties</td>
<td>Is not dispersed in cold water, hot water.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in cold water, hot water.</td>
</tr>
</tbody>
</table>

**Section 10. Stability and Reactivity Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>Instability Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Conditions of Instability</td>
<td>Heat, ignition sources (flames, sparks, static), incompatible materials, water.</td>
</tr>
<tr>
<td>Incompatibility with various substances</td>
<td>Reactive with oxidizing agents, metals, acids, alkalis. Slightly reactive to reactive with moisture. The product reacts violently with water to emit flammable but non toxic gases.</td>
</tr>
<tr>
<td>Corrosivity</td>
<td>Non-corrosive in presence of glass.</td>
</tr>
<tr>
<td>Special Remarks on Reactivity</td>
<td>Incompatible with alcohols, active metals, halogens, phosphorus Reacts with water forming flammable acetylene gas.</td>
</tr>
<tr>
<td>Special Remarks on Corrosivity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Polymerization</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>

**Section 11. Toxicological Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Routes of Entry</td>
<td>Absorbed through skin. Eye contact. Inhalation. Ingestion.</td>
</tr>
<tr>
<td>Toxicity to Animals</td>
<td>Acute oral toxicity (LD50): 2119 mg/kg [Mouse]. (Xylenes). Acute dermal toxicity (LD50): &gt;1700 mg/kg [Rabbit]. (Xylenes).</td>
</tr>
<tr>
<td>Chronic Effects on Humans</td>
<td>CARCINOGENIC EFFECTS: Classified 3 (Not classifiable for human.) by IARC [Xylenes]. Classified 3 (Not classifiable for human.) by IARC [Mineral oil light, white.]. Contains material which may cause damage to the following organs: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS). Very hazardous in case of skin contact (irritant), of ingestion. Hazardous in case of inhalation. Slightly hazardous in case of skin contact (corrosive, permeator), of eye contact (corrosive).</td>
</tr>
<tr>
<td>Other Toxic Effects on Humans</td>
<td>Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects (male and female fertility (spontaneous abortion and fetotoxicity)) and birth defects based animal data. (Xylenes)</td>
</tr>
<tr>
<td>Special Remarks on Toxicity to Animals</td>
<td>Lowest Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Man] - Route: Oral; Dose: 10000 ppm/6H (Xylenes)</td>
</tr>
<tr>
<td>Special Remarks on Chronic Effects on Humans</td>
<td>Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects (male and female fertility (spontaneous abortion and fetotoxicity)) and birth defects based animal data. (Xylenes)</td>
</tr>
<tr>
<td>Special Remarks on other Toxic Effects on Humans</td>
<td>Acute Potential Health Effects: Skin: Causes severe skin irritation and can cause burns. Can be absorbed through skin. Eyes: Causes severe eye irritation and can cause burns. Inhalation: Vapor causes respiratory tract and mucous membrane irritation. May affect central nervous system and behavior (General anesthetic/CNS depressant with effects including headache, weakness, memory loss, irritability, dizziness, giddiness, loss of coordination and judgement, respiratory depression/arrest or difficulty breathing, loss of appetite, nausea, vomiting, shivering, and possible coma and death). May also affects blood, sense organs, liver, and peripheral nerves. Ingestion: Causes digestive tract (lip, mouth, throat)/gastrointestinal irritation and can cause digestive tract burns. Symptoms may include abdominal pain, vomiting, and nausea. May also affect liver and urinary system/kidneys. May also cause other effects similar to those of acute inhalation. Chronic Potential Health Effects: Chronic inhalation may affect the urinary system (kidneys) blood (anemia), bone marrow (hyperplasia of bone marrow) brain/behavior/Central Nervous system. Chronic inhalation may also cause mucosal bleeding.</td>
</tr>
</tbody>
</table>

*Continued on Next Page*
Sodium Acetylide, 20% (w/w) Slurry in Xylene/Oil (85:15)

Chronic ingestion may affect the liver and metabolism (loss of appetite) and may affect urinary system (kidney damage).

Section 12. Ecological Information

Ecotoxicity
Not available.

BOD5 and COD
Not available.

Products of Biodegradation
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation
The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation
Not available.

Section 13. Disposal Considerations

Waste Disposal
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

DOT Classification
CLASS 4.3: Dangerous when wet material.
CLASS 3: Flammable liquid.

Identification
Organometallic substance, liquid, water-reactive, flammable (Sodium Acetylide; Xylene mixture) (Xylenes)
UNNA: 3399  PG: I

Special Provisions for Transport
Not available.

DOT (Pictograms)

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations
Connecticut hazardous material survey.: Xylenes
Illinois toxic substances disclosure to employee act: Xylenes
Illinois chemical safety act: Xylenes
New York release reporting list: Xylenes
Rhode Island RTK hazardous substances: Xylenes
Pennsylvania RTK: Xylenes
Minnesota: Xylenes
Michigan critical material: Xylenes
Massachusetts RTK: Xylenes
Massachusetts spill list: Xylenes
New Jersey: Xylenes
New Jersey spill list: Xylenes
Louisiana spill reporting: Xylenes
California Director's List of Hazardous Substances: Xylenes
TSCA 8(b) inventory: Sodium Acetylide; Xylenes; Mineral oil light, white.
SARA 302/304/311/312 hazardous chemicals: Xylenes
SARA 313 toxic chemical notification and release reporting: Xylenes 67.5%
CERCLA: Hazardous substances.: Xylenes: 100 lbs. (45.36 kg);

California Proposition 65 Warnings
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

Continued on Next Page

**Other Classifications**

<table>
<thead>
<tr>
<th>WHMIS (Canada)</th>
<th>CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S43- In case of fire, use dry powder S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46- If swallowed, seek medical advice immediately and show this container or label.</td>
</tr>
</tbody>
</table>

| Other Regulations |

| Health Hazard | 3 |
| Fire Hazard   | 3 |
| Reactivity    | 2 |
| Personal Protection | |

**National Fire Protection Association (U.S.A.)**

- Flammability: 3
- Reactivity: 0
- Specific hazard: 2

**WHMIS (Canada) (Pictograms)**

- Health Hazard
- Fire Hazard
- Reactivity
- Personal Protection

**DSCL (Europe) (Pictograms)**

**TDG (Canada) (Pictograms)**

**ADR (Europe) (Pictograms)**

**Protective Equipment**

- Gloves.
- Full suit.
- Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
- Face shield.

*Continued on Next Page*
Section 16. Other Information

<table>
<thead>
<tr>
<th>MSDS Code</th>
<th>S3559</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
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<tr>
<td>Other Special</td>
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</tr>
<tr>
<td>Considerations</td>
<td></td>
</tr>
</tbody>
</table>

Verified by Sonia Owen.  
Printed 1/21/2008.

CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user’s responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.