



## Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health  
Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

|   |   |
|---|---|
| IDENTITY (As Used on Label and List)<br><b>ORCA Slip - 252201</b> | Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. |
|---|---|

### Section I

|   |  |
|---|--|
| Manufacturer's Name<br><b>Fiberlay, Inc.</b>                              | 24 hour Emergency Telephone Contact Number<br>CHEMTREC<br>Domestic North America: <b>800-424-9300</b><br>International: <b>703-527-3887</b> (collect calls accepted) |
| Address (Number, Street, City, State, and ZIP Code)<br>24 S. Idaho Street | Telephone number for information<br>206-782-0660   |
| Seattle, WA 98134   | Date Prepared<br>April 16, 2010  |
| USA   | Signature of Preparer (optional)   |

### Section II - Hazard Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity;<br>Common Name(s)<br>Solvents | OSHA PEL | ACGIH TLV       | Other Limits<br>Recommended |
|---|----------|-----------------|-----------------------------|
| Petroleum Distillate CAS# 64742-95-6  |          | 400 ppm         | 60-90%                      |
| Light Petroleum Distillate CAS# 110-54-3  | 500ppm   | 500 ppm         | 10-40%                      |
| Proprietary Resin Blend   |          | Not Established | 1-10%                       |
| H 2, F 3, R-1   |          |                 |                             |

### Section III - Physical/Chemical Characteristics

|  |                  |   |       |
|--|------------------|---|-------|
| Boiling Point<br>IBP – FBP                                   | 69°C             | Specific Gravity (H <sub>2</sub> O = 1) | 0.659 |
| Vapor Pressure (mm Hg.)                                      | 132mmHg@<br>20°C | Melting Point                           | -95°C |
| Vapor Density (AIR = 1)                                      | 3                | Evaporation Rate<br>(Butyl Acetate = 1) | NA    |
| Solubility in Water :Negligible                              |                  |   |       |
| Appearance and odor: Aromatic Hydrocarbon odor- Clear liquid |                  |   |       |

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### Section IV - Fire and Explosion Hazard Data

|   |                  |             |             |
|---|------------------|-------------|-------------|
| Flash Point (Method Used):<br>-23°C   | Flammable Limits | LEL<br>1.2% | UEL<br>7.7% |
| Extinguishing Media:<br>Foam, Dry chemical, CO2, Water may be ineffective. However water spray can be used to keep fire exposed containers cool.  |                  |             |             |
| Special Fire Fighting Procedures:<br>Use air – supplied rescue equipment NIOSH- approved with full face piece operated in the pressure demand.  |                  |             |             |
| Unusual Fire and Explosion Hazards: Product flammable , material can ignite at ambient temperature.<br>Do not store or mix with strong oxidants. Vapors can flow along surface to distant ignition source and flash back. |                  |             |             |

### Section V - Reactivity Data

|   |                |                                    |  |
|---|----------------|------------------------------------|--|
| Stable  | X              | Heat can contribute to instability |  |
| Unstable  |                |                                    |  |
| Incompatibility ( <i>Materials to avoid</i> ):<br>Strong oxidants.  |                |                                    |  |
| Hazardous Decomposition or Byproducts:<br>Carbon monoxide in the case of incomplete combustion, acrid smoke and irritating fumes. |                |                                    |  |
| Hazardous Polymerization  | May Occur      |                                    | Conditions to Avoid:<br>Heat, flame, ignition sources and incompatibles. |
|   | Will Not Occur | X                                  |  |

### Section VI – Health Hazard Data

Route(s) of Entry: Skin and inhalation

|  |   |   |   |
|--|---|---|---|
| Eyes: Flush with water for at least 15 minutes. Consult physician.   | Inhalation: move to fresh air. If not breathing give artificial respiration or oxygen. Call physician | Skin: Wash with soap and plenty of water. If irritation persists consult physician. | Ingestion: Consult Physician immediately. Do not induce vomiting. |
| Health Hazards ( <i>Acute and Chronic</i> )  |   |   |   |
| Carcinogenicity:   | NTP?<br>Not listed  | IARC Monographs?<br>Not listed  | OSHA Regulated?<br>Not listed                                     |
| Signs and Symptoms of Exposure:<br>Eye and skin irritant. Avoid breathing of vapor may result in dizziness and headaches to unconsciousness. |   |   |   |
| Medical Conditions Generally Aggravated by Exposure:<br>Pre-existing skin, eye, or respiratory disorders may be more susceptible.            |   |   |   |
| Emergency and First Aid Procedures:<br>See above.  |   |   |   |

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### Section VII - Precautions for Safe Handling and Use

|   |
|---|
| Steps to Be Taken in Case Material is Released or Spilled:<br>Remove all ignition sources. Keep people away, recover free liquid. Add absorbent to spill area. Ventilate enclosed areas, keep product out of public sewers, streams and waterways.  |
| Waste Disposal Method:<br>Dispose of waste by supervised incineration or in a chemical disposal area in compliance with local regulations.  |
| Precautions to Be taken in Handling and Storing: Store in a cool dry, well ventilated area away from any heat sources. Keep containers closed. Keep away from heat, sparks or open flame. Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing, wash before reuse. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, drill, grind or expose such containers to heat, flame, sparks, or other sources of ignition, they may explode and cause injury or death. Empty drums should be completely drained, and properly disposed of. Do not store above 120°F. |
| Transportation Information:<br>D.O.T. Shipping Name – Resin Solution<br>D.O.T. Hazard Class – 3, PGII<br>U.N. Number – UN1866<br>D.O.T. Label – Flammable Liquid  |

### Section VIII – Control Measures

|   |   |   |
|---|---|---|
| Respiratory Protection ( <i>Specify Type</i> ):<br>Air supplied respiratory protection in confined or enclosed areas. Use in well ventilated area to maintain below TLV levels. |   |   |
| Ventilation   | Local Exhaust:<br>Use in well ventilated area to maintain below TLV levels  | Special:<br>If needed to maintain below TLV levels. |
|   | Mechanical ( <i>General</i> ):<br>Explosion proof ventilation equipment.    | Other:<br>None                                      |
| Protective Gloves:<br>Use chemical resistant gloves.  | Eye Protection: Eye wash station.<br>Chemical Splash Goggles or Face Shield |   |
| Other Protective Clothing or Equipment:<br>To avoid skin contact. Use only with adequate ventilation. Safety shower in proximity to work area.                                  |   |   |
| Work/Hygienic Practices:<br>Use good industrial hygienic practices.   |   |   |

This information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.



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| Seattle, WA 98134  | Date Prepared<br>April 16, 2010   |
|  | Signature of Preparer <i>(optional)</i>   |

### Section II - Hazard Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity;<br>Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits<br>Recommended |
|--|----------|-----------|-----------------------------|
| This product does not contain any hazardous components.              |          |           |                             |
| H 1, F 1, R 0 A  |          |           |                             |

### Section III - Physical/Chemical Characteristics

|   |       |   |     |
|---|-------|---|-----|
| Boiling Point                                     | 212°F | Specific Gravity (H <sub>2</sub> O = 1) | 1   |
| Vapor Pressure (mm Hg.)                           | N/A   | Melting Point                           | N/A |
| Vapor Density (AIR = 1)                           | N/A   | Evaporation Rate<br>(Butyl Acetate = 1) | >1  |
| Solubility in Water:<br>Complete                  |       |   |     |
| Appearance and Odor:<br>White liquid, sweet odor. |       |   |     |

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**Section IV - Fire and Explosion Hazard Data**

|  |                  |            |            |
|--|------------------|------------|------------|
| Flash Point (Method Used):<br>Nonflammable                                   | Flammable Limits | LEL<br>N/A | UEL<br>N/A |
| Extinguishing Media:<br>CO <sub>2</sub> or dry chemical                      |                  |            |            |
| Special Fire Fighting Procedures:<br>Use self-contained breathing apparatus. |                  |            |            |
| Unusual Fire and Explosion Hazards:<br>None.                                 |                  |            |            |

**Section V - Reactivity Data**

|  |                |   |                             |
|--|----------------|---|-----------------------------|
| Stability:   | Stable         | X |                             |
|  | Unstable       |   |                             |
| Incompatibility ( <i>Materials to avoid</i> ):<br>Strong oxidizing agents.                     |                |   |                             |
| Hazardous Decomposition or Byproducts:<br>Oxides of Carbon, Si O <sub>2</sub> and Formaldehyde |                |   |                             |
| Hazardous Polymerization   | May Occur      |   | Conditions to Avoid<br>None |
|  | Will Not Occur | X |                             |

**Section VI – Health Hazard Data**

Route(s) of Entry:

|  |                                |   |   |
|--|--------------------------------|---|---|
| Eyes: Flush with water for at least 15 minutes. Consult Physician  | Inhalation: Move to fresh air. | Skin: Wash with soap and plenty of water. | Ingestion: Do not induce vomiting. Consult Physician immediately. |
| Health Hazards ( <i>Acute and Chronic</i> )  |                                |   |   |
| Carcinogenicity:<br>Not listed   | NTP?<br>Not listed             | IARC Monographs?<br>Not listed            | OSHA Regulated?<br>Not listed                                     |
| Signs and Symptoms of Exposure:<br>Mild irritation to eye, skin and respiratory track is possible.                   |                                |   |   |
| Medical Conditions Generally Aggravated by Exposure:<br>Upon contact pre-existing skin conditions may be aggravated. |                                |   |   |
| Emergency and First Aid Procedures:<br>See above.  |                                |   |   |

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### Section VII - Precautions for Safe Handling and Use

|  |
|--|
| Steps to Be Taken in Case Material is Released or Spilled:<br>Contain spill. Trap in suitable absorbent and put into container for disposal. Flush remainder with plenty of water. Floor may become slippery   |
| Waste Disposal Method:<br>Follow federal, state, or local regulations for proper disposal.   |
| Precautions to Be taken in Handling and Storing:<br>Avoid contact with eyes and skin. Keep containers closed when not in use. Store in a cool dry place. Avoid material from freezing and maintain storage temperatures above 32°F but not exceeding 160°F . Use good industrial hygienic practices. |
| Transportation Information:<br>This product does not require classification by DOT, IATA, ICAO or IMDG   |

### Section VIII – Control Measures

|  |   |                  |
|--|---|------------------|
| Respiratory Protection ( <i>Specify Type</i> ):<br>Respiratory protection not normally needed. Use in well ventilated area. Local or mechanical is acceptable. |   |                  |
| Ventilation  | Local Exhaust:<br>Acceptable  | Special:<br>None |
|  | Mechanical ( <i>General</i> ):<br>Acceptable                          | Other:<br>None   |
| Protective Gloves:<br>Rubber gloves recommended  | Eye Protection:<br>Safety glasses with side shield. Eye wash station. |                  |
| Other Protective Clothing or Equipment:<br>To avoid skin contact.  |   |                  |
| Work/Hygienic Practices:<br>Use good industrial hygienic practices   |   |                  |

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