Section 1. Product and Company Identification
Product name: BinaryFIB (BF-xxx)
Recommended Use: Paint
Company: Innovative Scientific Solutions, Inc. (ISSI)
7610 McEwen Road
Dayton, Ohio, 45459 USA
Telephone: +1-937-630-3012
Emergency Telephone Number: +1-800-535-5053 (INFOTRAC)

Section 2. Hazards Identification
Signal Word: WARNING
Hazard Statement: Flammable Liquid, Target Organ Effect
Target Organs: Central nervous system
Precautionary Statements:
Keep this flammable material away from heat, sparks, flames, or other sources of ignition.
The fumes of this product are harmful and should not be inhaled.
This product is not to be consumed.

Section 3. Hazardous Components Information
Benzotrifluoride 90% 98-08-8
FIB copolymer <10% none
Titanium Dioxide <10% 13463-67-7

Section 4. First Aid Measures
• Inhalation: Remove person to fresh air. Seek medical attention.
• Skin Contact: Wash off with soap and water. Seek medical attention.
• Eye Contact: Flush eyes with water for 15 minutes. Seek medical attention.
• Ingestion: Seek medical attention.

Section 5. Fire Fighting Measures
• Flammable Properties
  Flash Point: 12°C (54°F) closed cup
  Ignition Temperature: No data available.
• Extinguishing Media
  Dry chemical or CO₂
• PPE for Firefighters
  Self-contained breathing apparatus
• Further Information
  Use water spray to cool unopened containers
Section 6. Accidental Release Measures

- **Personal Precautions:** Avoid breathing vapor or mist. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safety. Vapor can accumulate to form explosive concentrations especially in low areas.
- **Environmental Precautions:** Avoid discharge into the environment by preventing the product from entering sewer drains or storm drains.
- **Methods for Cleaning Up Spills:** Use noncombustible absorbent material such as vermiculite or sand to absorb the spill. After the absorbent is dry dispose of it in accordance with local regulations.

Section 7. Handling and Storage

The container should be stored in a cool, dry place away from sources of ignition (sparks, flame, etc.). Avoid areas where static charge can build which could ignite the product (carpet). Store this product away from strong bases, oxidizing, or reducing agents.

Section 8. Exposure Control Personal Protection

- **Respiratory:** Use full face respirator that is for organic vapors and is properly fitted to the end user if the product is used where ventilation is unavailable. Self-contained breathing apparatus or a suitable exhaust hood are recommended.
- **Hand Protection:** Use protective gloves.
- **Eye Protection:** Safety glasses.
- **Hygiene Measures:** Practice good industrial hygiene and safety by washing hands thoroughly with soap and water after using this product.

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pink Opaque Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>-29°C (-20°F)</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>100-103°C (212-217°F) at 760mmHg</td>
</tr>
<tr>
<td>Flash Point</td>
<td>12°C (54°F)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data</td>
</tr>
<tr>
<td>Ignition Temperature</td>
<td>No data</td>
</tr>
<tr>
<td>LEL</td>
<td>No data</td>
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<tr>
<td>UEL</td>
<td>No data</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
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</tr>
<tr>
<td>Decomposition Temperature</td>
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</tr>
<tr>
<td>Viscosity</td>
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<tr>
<td>Partition Coefficient</td>
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</tr>
<tr>
<td>Specific Gravity</td>
<td>1.25</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data</td>
</tr>
</tbody>
</table>
Section 10. Stability and Reactivity
- **Storage:** Stable under recommended storage conditions.
- **Conditions to Avoid:** Heat, flames, sparks
- **Materials to Avoid:** Strong bases, oxidizing or reducing agents
- **Hazardous Decomposition Products:** Carbon oxides and hydrogen fluoride
- **Hazardous Reactions:** Can form an explosive mix with air

Section 11. Toxicological Information
- **Acute Toxicity**
  - LD50 Oral Mouse: 10000mg/kg
  - LC50 Inhalation Rat: 70810mg/m³ 4 hour
- **Chronic Exposure**
  - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA.
- **Signs of Over Exposure**
  - Central nervous system depression, drowsiness, dizziness

Section 12. Ecological Information
- **Elimination:** No data available
- **Ecotoxicity:**
  - LC50 fathead minnow: 12 mg/L 96 hours
  - EC50 daphnia: 3.48 mg/L 24 hours
- **Additional Information:**
  - Unprofessional or irresponsible use or disposal of this product could pose a long term danger to the environment.

Section 13. Disposal Considerations
Observe all local waste disposal regulations and contact a licensed, professional waste disposal service to dispose of this product.

Section 14. Transport Information
- **Proper Shipping Name:** BinaryFIB Pressure Sensitive Paint (BF-xxx)*
- **USDOT Hazard Class:** 3 Flammable Liquid
- **UN1263 Packing Group II**
  - *xxx is the volume of product in the package.

Section 15. Regulatory Information
- **OSHA Hazards:** Flammable Liquid, Target Organ Effect

Section 16. Additional Information
The above information is believed to be correct by ISSI personnel based on present knowledge but is intended solely as a guide. Always take precautions and behave professionally and responsibly when handling chemicals. ISSI assumes no liability whatsoever for improper handling, storage, or utilization outside of the intended use of this product. 3/12/2015