

Safety Data Sheet

ISSI

Binary FIB Pressure Sensitive Paint (BF-xxx)

Version 1.0/Revision Date 3/12/2015

Section 1. Product and Company Identification

Product name: Binary FIB (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

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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

Appearance:	Pink Opaque Liquid
Odor:	Characteristic
Odor Threshold:	No data
Vapor Pressure:	No data
Vapor Density:	No data
pH:	N/A
Melting Point:	-29° C (-20° F)
Boiling Point:	100-103° C (212-217° F) at 760mmHg
Flash Point:	12° C (54° F)
Evaporation Rate:	No data
Ignition Temperature:	No data
LEL:	No data
UEL:	No data
Auto Ignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Partition Coefficient:	N/A
Specific Gravity:	1.25
Water Solubility:	No data

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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: Binary FIB 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