



# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** Fiber-G Top Coat 100 Fflexible Epoxy Roof Coating Part A and Part B

**UN/ID No:** UN-1866

**Recommended Use:** Roof Coating

**Company:** **MS3 FIBER-G**  
2209 Donley Dr. Austin, TX 78758  
806-773-2169

**Emergency Telephone:** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## Section 2: Hazard(s) Identification

<b>Hazard Classification:</b>	Acute toxicity - Inhalation (Dusts/Mists)	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Skin sensitization	Category 1
	Carcinogenicity	Category 2
	Specific target organ toxicity (repeated exposure)	Category 2
	Flammable Liquids	Category 3

**Signal Word(s):** Danger

**Hazard Statements:** Harmful if inhaled  
Causes skin irritation  
Causes serious eye damage  
May cause an allergic skin reaction  
Suspected of causing cancer  
May cause damage to organs through prolonged or repeated exposure  
Flammable liquid and vapor



### Precautionary Statements - Prevention:

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Use only outdoors or in a well-ventilated area  
 Wash face, hands and any exposed skin thoroughly after handling  
 Contaminated work clothing must not be allowed out of the workplace  
 Wear protective gloves  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response:**

If exposed or concerned: Get medical advice/attention  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a poison center or doctor/physician if you feel unwell  
 IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage:**

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

**Precautionary Statements - Disposal:**

Dispose of contents/container to an approved waste disposal plant

**Description of other hazards:** Toxic to aquatic life with long lasting effects

**Section 3: Composition/ Information on Ingredients**

<b>Section 3: Composition/ Information on Ingredients</b>			
<b>Part A – Activator</b>			
<b>Chemical Name</b>		<b>CAS#</b>	<b>Conc.</b>
Bisphenol A Diglycidyl Ether		25068-38-6	60-80
Toluene		108-88-3	10-20
Alkyl (C12-14) glycidyl ether		68609-97-2	5-15
Xylene		1330-20-7	3-8
<b>Part B – Base</b>			

Chemical Name		CAS#	Conc.
Polyamide resin		68410-23-1	30-50
Xylene		1330-20-7	15-25
Ethylbenzene		100-41-4	1-5
Triethylene tetramine		112-24-3	0.1-1

#### Section 4: First-Aid Measures

**General Advice** Provide this SDS to medical personnel for treatment.

**Eye Contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

**Skin Contact** Remove/take off immediately all contaminated clothing. Rinse skin with plenty of cool running water. If skin irritation or rash occurs: Get medical advice/attention. Discard or decontaminate clothing before re-use and destroy contaminated shoes.

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell.

**Ingestion** Rinse mouth. Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor/physician.

#### **Most important symptoms and effects**

**Symptoms** Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May be harmful in contact with skin. May cause damage to organs through prolonged or repeated exposure. Harmful if inhaled.

#### **Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Medical conditions aggravated by exposure: allergy, eczema, or skin conditions. Inhalation of vapors from a component in this product cause central nervous system depression, headache, dizziness, loss of balance, coughing, pulmonary edema and liver and kidney damage. In sensitive individuals, cardiac arrhythmia, leading to death, may occur.

#### Section 5: Fire-Fighting Measures

**Suitable extinguishing agents:** Carbon dioxide (CO<sub>2</sub>), Water spray (fog), Foam, Dry chemical

**Specific Hazards Arising from the Chemical:** Flammable liquid and vapor. Heating forms flammable vapors which may form explosive mixtures with air

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

#### Section 6: Accidental Release Measures

**Personal precautions:** Wear protective clothing as described in Section 8 of this safety data sheet.

**Measures for environmental protection:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 12 for additional Ecological Information.

**Methods for Containment:** Remove all sources of ignition. Provide explosion proof ventilation. Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an inert (i.e. vermiculite, dry sand or earth) absorbent material.

**Measures for cleaning/collecting:** Sweep up absorbed material and shovel into suitable containers for disposal. Use non-sparking hand tools and explosion-proof electrical equipment. Flush area with plenty of water. For waste disposal, see section 13 of the SDS.

## Section 7: Handling and Storage

**Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Wear protective gloves/protective clothing and eye/face protection. Keep cool.

**Storage:** Keep containers tightly closed in a cool, well-ventilated place. Store locked up.

**Incompatible Materials:** Strong oxidizing agents.

## Section 8: Exposure Controls/Personal Protection

Part A - Activator Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m3 (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m3 Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m3 STEL: 150 ppm STEL: 560 mg/m3	
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m3 (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m3		
Part B - Base Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m3 (vacated) STEL: 150 ppm		

		(vacated) STEL: 655 mg/m3	
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m3 (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m3	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m3 STEL: 125 ppm STEL: 545 mg/m3

### Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Explosion proof mechanical ventilation and local exhaust recommended. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection:** Face shield and chemical anti-splash safety goggles; Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection:** Impervious gloves, clothes and boots; Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection:** Organic chemical cartridge respirator, if needed; Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

## Section 9: Physical and Chemical Properties

	Part A	Part B
<b>Physical State</b>	Liquid	Liquid
<b>Appearance</b>	Clear liquid	White or colored liquid
<b>Odor</b>	Aromatic	Aromatic
<b>Odor Threshold</b>	Not determined	Not determined
<b>pH</b>	Not determined	Not determined
<b>Melting Point/Freezing Point</b>	Not determined	Not determined
<b>Boiling Point/Boiling Range</b>	113.88 °C / 237 °F	138.88 °C / 282 °F
<b>Flash Point (closed cup)</b>	37.77 °C / 100 °F	37.77 °C / 100 °F
<b>Evaporation Rate</b>	1.9	0.6 Xylene (butyl acetate = 1)
<b>Flammability (Solid, Gas)</b>	Not determined	Not determined
<b>Upper Flammability Limits</b>	7	7
<b>Lower Flammability Limit</b>	1.2	1
<b>Vapor Pressure</b>	Not determined	Not determined
<b>Vapor Density</b>	3.2	3.2 Xylene (Air=1)
<b>Specific Gravity</b>	1.06	1.24 (Water = 1)
<b>Water Solubility</b>	Nil	Partially soluble
<b>Solubility in other solvents</b>	Not determined	Not determined
<b>Partition Coefficient</b>	Not determined	Not determined

<b>Auto-ignition Temperature</b>	Not determined	Not determined
<b>Decomposition Temperature</b>	Not determined	Not determined
<b>Kinematic Viscosity</b>	Not determined	Not determined
<b>Dynamic Viscosity</b>	Not determined	Not determined
<b>Explosive Properties</b>	Not determined	Not determined
<b>Oxidizing Properties</b>	Not determined	Not determined
<b>VOC Content (%)</b>	19.0%	18%
<b>VOC Content</b>	181 g/L	181 g/L

**Reactivity:** Not reactive under normal conditions.

**Chemical stability:** Stable under recommended storage conditions.

**Conditions to avoid:** Keep out of reach of children. Keep away from heat, sparks and open flame.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Aldehydes, Unidentified organic compounds.

### Section 11: Toxicological Information

	<b>Part A</b>	<b>Part B</b>
<b>Primary Routes of Exposure:</b>	Dermal, Inhalation	Dermal, Inhalation
<b>Acute Oral Effects (LD50):</b>	(Rat) 5- 8g/kg.	(Rat) 4,300mg/kg (xylene).
<b>Sensitization:</b>	Moderate sensitizer	Potential sensitizer
<b>Acute Dermal Toxicity (LD50):</b>	(Rabbit)>6,000mg/kg	(Rabbit)>5,000mg/kg (Polyamide)
<b>Skin Irritation:</b>	(Rabbit) Moderate irritant	(Rabbit) Moderate irritant
<b>Eye Irritation:</b>	(Rabbit) Severe irritant	(Rabbit) Severe irritant
<b>Inhalation Toxicity (LC50):</b>	Irritating to mucous membranes and respiratory tract.	

### Section 12: Ecological Information (non-mandatory)

<b>Ecotoxicity:</b>	Toxic to aquatic life with long lasting effects.			
<b>Biodegradation:</b>	Not determined.			
<b>Bioaccumulation:</b>	Not determined.			
<b>Mobility:</b>	<b>Part A</b>		<b>Part B</b>	
	<b>Chemical Name</b>	<b>Partition Coefficient</b>	<b>Chemical Name</b>	<b>Partition Coefficient</b>
	Toluene 108-88-3	2.65	Xylene 1330-20-7	2.77-3.15
	Xylene 1330-20-7	2.77-3.15	Ethylbenzene	3.118
			Triethylene Tetramine	-1.4

### Section 13: Disposal Considerations (non-mandatory)

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### Section 14: Transport Information (non-mandatory)

**DOT** UN/ID No UN1866  
 Proper Shipping Name Resin Solution  
 Hazard Class 3  
 Packing Group III

**IATA** UN/ID No UN1866  
 Proper Shipping Name Resin Solution  
 Hazard Class 3  
 Packing Group III

**IMDG** UN/ID No UN1866  
 Proper Shipping Name Resin Solution  
 Hazard Class 3  
 Packing Group III

Marine Pollutant This material may meet the definition of a marine pollutant

#### Section 15: Regulatory Information (non-mandatory)

##### US Federal Regulations

**CERCLA:** This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity RQ
Toluene 108-88-3	1 lb		RQ 1 lb final RQ RQ 0.454 kg final RQ
Xylene 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Ethylbenzene 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA Section 313 (specific toxic chemical listings):** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Toluene - 108-88-3	108-88-3	10-20	1.0
Xylene - 1330-20-7	1330-20-7	3-8	1.0
Ethylbenzene - 100-41-4	100-41-4	1-5	0.1

**Clean Water Act:** This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene 108-88-3	1000 lb	X	X	X
Xylene 1330-20-7	100 lb			X
Ethylbenzene 100-41-4	1000 lb	X	X	X

**TSCA (Toxic Substances Control Act):** [Click here to enter text.](#)

#### Section 16: Other Information

**OSHA Status:** This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

**Disclaimer:** The information and recommendations contained herein are based on data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

NovaTuff Coatings makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof.

NovaTuff Coatings assumes no responsibilities for injury from the use of this product.

**SDS date of preparation/update:** 9/2/2019