



1. FIB-R-FIX _ PART A
2. FIB-R-FIX _ PART B
3. FIB-R-Fix _ Filler

1. PRODUCT AND COMPANY IDENTIFICATION / Fib-R-Fix _ Part A

Product Name	FIB-R-FIX _ PART A (more than 844 colors)
Product Class	SOLVENT THINNED PAINT
Color	White
Recommended use	Paint
Restrictions on use	No information available

Manufacturer	Emergency Telephone Number(s)
Fixture-Fix LLC. PO Box 104. Oyster Bay NY 11771-0104 www.fixture-fix.com	718-Fixture (349-8873)

2. HAZARDS IDENTIFICATION / Fib-R-Fix _ Part A

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion / Irritation	Category 2
Serious eye damage / eye irritation	Category 2B
Skin sensitization	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 2
Flammable liquids	Category 2

Label elements**Danger****Hazard Statements**

Causes Skin Irritation

Causes eye irritation

May cause an allergic skin reaction

Suspected of causing cancer

May cause damage to organs

May cause damage to organs through prolonged or repeated exposure

Maybe fatal if swallowed and enters airways

Highly flammable liquid vapor



Appearance liquid

Odor Solvents

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

Wash face, hands and any exposed skin thoroughly after handling

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Do not breathe dust/fume/mist/vapors/spray

Do not eat, drink or smoke when using this product

Keep away from heat/sparks/open flames/hot surfaces, no smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Precautionary Statements - Response

If exposed or concerned get medical attention

Eyes

If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists get medical attention

Skin

If skin irritation or rash occurs get medical attention If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water Wash contaminated clothing before reuse

Ingestion

If swallowed immediately call a POISON CENTER or physician

Do NOT induce vomiting

Fire

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

Hazards not otherwise classified (HNOC)

Not Applicable

Other Information

No information available

Other Hazards

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded.

3. COMPOSITION INFORMATION ON COMPONENTS / Fib-R-Fix Part A

Chemical Name	CAS-N°	Weight % (max)
Hy drotreated light naphtha	64742-49-0	20
Titanium dioxide	13463-67-7	20
Xylene	1330-20-7	15
Kaolin	1332-58-7	15
Ethyl benzene	100-41-4	5
Methyl ethyl ketoxine	96-29-7	0.5
Cobalt bis (2-ethylhexanoate)	136-52-7	0.5

4. FIRST AID MEASURES / Fib-R-Fix Part A

First aid measures

General Advice	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
Protection Of First-Aiders	Use personal protective equipment.
Most Important Symptoms/Effects	No information available.
Notes To Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES / Fib-R-Fix_Part A

Flammable Properties	Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause flash fire.
Suitable Extinguishing Media	Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment And Precautions For Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific Hazards Arising From The Chemical	Flammable. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Closed containers may rupture if exposed to fire or extreme heat. Thermal decomposition can lead to release of irritating
Sensitivity To Mechanical Impact	No
Sensitivity To Static Discharge	Yes
Flash Point Data	
Flash Point (°F)	50
Flash Point (°C)	10
Flash Point Method	PMCC
Flammability Limits In Air	
Lower Explosion Limit	Not available
Upper Explosion Limit	Not available

NFPA **Health:** 2 **Flammability:** 3 **Instability:** 0 **Special:** Not Applicable

NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used. Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES / Fib-R-Fix_Part A

Personal Precautions	Remove all sources of ignition. Take precautions to prevent flashback. Ground and bond all containers and handling equipment. Take precautionary measures against static discharges. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.
Other Information	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
Environmental Precautions	See Section 12 for additional Ecological Information.
Methods For Clean-Up	Dam up. Soak up with inert absorbent material. Use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE / Fib-R-Fix_Part A**Handling**

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in ventilated areas. Prevent vapor build-up by providing adequate ventilation during and after use.

Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Ignition and/or flash back may occur.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. DANGER - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

Incompatible Materials

No information available

Technical measures/Precautions

Ensure adequate ventilation. Use only where airflow will keep vapors from building up in or near the work area in adjoining rooms. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing and disposal of flammable liquids.

Dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. All equipment should be non-sparking and explosion proof. Use explosion proof electrical equipment for ventilation, lighting and material handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION / Fib-R-Fix_Part A**Exposure Limits**

Chemical Name	ACGIH	OSHA
Titanium dioxide	10 mg/m ³ - TWA	15 mg/m ³ - TWA
Xylene	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 435 mg/m ³ - TWA
kaolin	2 mg/m ³ - TWA	15 mg/m ³ - TWA total 5 mg/m ³ - TWA
Ethyl benzene	20 ppm - TWA	100 ppm - TWA 435 mg/m ³ - TWA

Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety & Health Administration Exposure Limits

N/E - Not Established

Appropriate engineering Controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields. If splashes are likely to occur, wear:. Tightly fitting safety goggles.

Skin Protection Long sleeved clothing. Protective gloves.

Respiratory Protection Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES / Fib-R-Fix_Part A

Appearance	liquid
Odor	solvent
Odor Threshold	No information available
Density (lbs/gal)	9.35 - 9.45
Specific Gravity	1.12 - 1.13
pH	No information available
Viscosity (cps)	No information available
Solubility	No information available
Water Solubility	No information available
Evaporation Rate	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Wt. % Solids	60 - 70
Vol. % Solids	45 - 55
Wt. % Volatiles	30 - 40
Vol. % Volatiles	45 - 55
VOC Regulatory Limit (g/L)	< 400
Boiling Point (°F)	257
Boiling Point (°C)	125
Freezing Point (°F)	No information available
Freezing Point (°C)	No information available
Flash Point (°F)	50
Flash Point (°C)	10
Flash Point Method	PMCC
Flammability (solid, gas)	Not applicable
Upper Explosion Limit	No information available
Lower Explosion Limit	No information available
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available
Decomposition Temperature (°C)	No information available
Partition Coefficient (n-octanol/water)	No information available

10. STABILITY AND REACTIVITY / Fib-R-Fix_Part A

Reactivity	No data available
Chemical Stability	Stable under normal conditions. Hazardous polymerisation does not occur.
Conditions To Avoid	Heating can release hazardous gases.
Incompatible Materials	Incompatible with strong acids and bases and strong oxidizing agents.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors.
Possibility Of Hazardous Reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION / Fib-R-Fix_Part A

Product informationinformation unlikely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

Information on toxicological effects

Symptoms	No information available
Eye contact	Contact with eyes may cause irritation.
Skin contact	May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion	Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.
Inhalation	Harmful by inhalation. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.
Sensitization:	May cause sensitization by skin contact
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target Organ Effects	No information available.
STOT - repeated exposure	No information available.
STOT - single exposure	No information available.
Other adverse effects	No information available.
Aspiration Hazard	May be harmful if swallowed and enters airways. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	10905 mg/kg
ATEmix (dermal)	5482 mg/kg
ATEmix (inhalation-dust/mist)	8.5 mg/L

Acute Toxicity**Component****Titanium dioxide**

LD50 Oral: > 10000 mg/kg (Rat)

LD50 Dermal: > 10000 mg/m3 (Rabbit)

LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)

Xylene

LD50 Oral: 4300 mg/kg (Rat)

LD50 Dermal: > 1700 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 5000 ppm (Rat, 4 hr.)

Kaolin

LD50 Oral: > 5000 mg/kg (Rat)

Ethyl benzene

LD50 Oral: > 3500 mg/kg (Rat)

LD50 Dermal: > 5000 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 55000 mg/m3 (Rat, 2 hr.)

Methyl ethyl ketoxime

LD50 Oral: 930 mg/kg (Rat)

LD50 Dermal: 200 µL/kg (Rabbit)

LC50 Inhalation (Vapor): > 4.8 mg/L (Rat)

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as carcinogen:

Chemical Name	IARC	NTP	OSHA Carcinogen
Titanium dioxide	2B - Possible Human Carinogen		Listed
Ethyl benzene	2B - Possible Human Carinogen		Listed
Cobalt bis (2-ethylhexanoate)	2B - Possible Human Carinogen		

Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes:

"No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Cobalt and cobalt compounds are listed as possible human carcinogens by IARC (2B). However, there is inadequate evidence of the carcinogenicity of cobalt compounds in humans.

Legend

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION / Fib-R-Fix Part A**ECOTOXICITY EFFECTS**

The environmental impact of this product has not been fully investigated

Product Information**Acute Toxicity to Fish**

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

Persistence / Degradability

No information available

Bioaccumulation/Accumulation

No information available

Mobility in Environment Media

No information available

Ozone

Not Applicable

Component**Acute Toxicity to Fish****Titanium dioxide**

LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Xylene

LC50: 13.5 mg/L (Rainbow Trout - 96 hr.)

Ethyl benzene

LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

Methyl ethyl Ketoxime

LC50: 48 mg/L (Bluegill sunfish - 96 hr.)

Acute Toxicity to Aquatic Invertebrates**Ethyl benzene**

EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

Methyl ethyl Ketoxime

EC50: 750 mg/L (Daphnia magna - 48 hr.)

Acute Toxicity to Aquatic Plants**Ethyl benzene**

EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

13. DISPOSAL CONSIDERATIONS / Fib-R-Fix_Part A

Waste Disposal Method	Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.
Empty Container Warning	Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

14. TRANSPORT INFORMATION / Fib-R-Fix_Part A

DOT	
Proper Shipping Name	Paint
Hazard Class	3
UN-No	UN1263
Packing Group	II
Description	UN1263, Paint, 3, II,
ICAO / IATA	Contact the preparer for further information.
IMDG / IMO	Contact the preparer for further information.

15. REGULATORY INFORMATION / Fib-R-Fix_Part A

International Inventories

DSL: Canada	Yes - All components are listed or exempt.
TSCA: United States	Yes - All components are listed or exempt.

Federal RegulationsSARA 311/312 hazardous categorization

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

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:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>	<u>CERCLA/SARA 313 (de minimis concentration)</u>
Xylene	1330-20-7	15	1.0
Ethyl benzene	100-41-4	5	0.1

Clean Air Act. Sectin 112 Hazaourdous Air Pollutants (HAPS) (see 40 CFR 61)

This product contains the following HAPs:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>	<u>Hazardous Air Pollutant (HAP)</u>
Xylene	1330-20-7	15	Listed
Ethyl benzene	100-41-4	5	Listed
Cobalt bis(2-ethylhexanoate)	136-52-7	0.5	Listed

STATE REGULATIONS**California Proposition 65**

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

State Right-to-know

Chemical Name	Massachuttes	New Jersey	Pennsylvania
Titanium dioxide	x	x	x
Xylene	x	x	x
Kaolin	x	x	x
Ethyl benzene	x	x	x
Cobalt bis (2-ethylhexanoate)			

Legend

X - Listed

16. OTHER INFORMATION / Fib-R-Fix_Part A

HMIS Health: 2* Flammability: 3 Reactivity: 0 PPE: -

HMIS Legend

0 - Minimal Hazard

1 - Slight Hazard

2 - Moderate Hazard

3 - Serious Hazard

4 - Severe Hazard

* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them.

HMIS ratings are to be used only in conjunction with a fully implemented HMIS program by workers who have received appropriate HMIS training. HMIS is a registered trade and service mark of the NPCA. HMIS materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Prepared By Fixture-Fix LLC.
PO Box 104.
Oyster Bay NY 11771-0104
718-Fixture (349-8873)
www.fixture-fix.com

Revision Date: 24-Sep-2015
Revision Summary Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

END OF SAFETY DATA SHEET

2. FIB-R-FIX_PART B

1. PRODUCT AND COMPANY IDENTIFICATION / Fib-R-Fix_Part B

Product Name FIB-r-FIX _ PART B
Trade Name FIB-r-FIX _ PART B
Company **Fixture-Fix**
 Emergencies involving Spills, Leaks, Fires, Exposures, or Accidents

Manufacturer **Emergency Telephone Number(s)**

Fixture-Fix LLC. PO Box 104.
 Oyster Bay NY 11771-0104
 www.fixture-fix.com

718-Fixture (349-8873)

2. HAZARDS IDENTIFICATION / Fib-R-Fix_Part B

Flammable liquids	Category 3
Toxic To Reproduction,	Category 1B
Aquatic toxicity (Acute)	Category 3
Acute toxicity : Skin,	Category 4
Skin Corrosion / Irritation	Category 2
Acute toxicity : inhalation,	Category 4
Serious eye damage / eye irritation	Category 2
target organ systemic toxicity (single exposure)	Category 3



GHS Signal Word:

Danger

GHS Hazard Phrases:

H226: Highly flammable liquid vapor
 H360: May damage fertility or the unborn child
 H402: Harmful to aquatic life.
 H312: Harmful in contact with skin
 H315: Causes skin irritation
 H332: Harmful if inhaled.
 H319: Causes serious eye irritation

Danger**GHS Precaution Phrases:**

P233-Keep container tightly closed

P210-Keep away from heat/sparks/open flames/hot surfaces, no smoking

P280-Wear protective gloves/Protective clothing/eye protection / face protection

P241-Use explosion-proof electrical/ventilating/lighting/equipment

P243-Take precautionary measures against static discharge

P264-Wash face, hands and any exposed skin thoroughly after handling

P271-Use only outdoors or in a well-ventilated area.

P261-Avoid Breathingdust /fume/gas/mist/vapors/spray

GHS Response Phrases:

P303+361+353 If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water Wash contaminated clothing before reuse

P332+313- If skin irritation or rash occurs get medical attention

P305 + 351 + 338 If in eyes rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + 313 If eye irritation persists get medical attention

P301 + 330 + 331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.

Get medical aid.

P304 + 340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.

P370 + 378 - In case of fire, use water spray, dry chemical, carbod dioxide, or alcohol resistant foam.

GHS Storage and Disposal Phrases:

material

Potential Health Effects (Acute and Chronic):

P403 + 235 - Store in a cool / well ventilated place. Store locked up.

P501 - Contact licensed professional waste disposal service to dispose of this

Chronic installation can cause pneumoconiosis. Chronic inhalation may cause effects similar to those of acute inhalation.

Inhalation:

May be harmful in inhaled. Low hazard for normal industrial handling.

Excessive inhalation may cause minor respiratory irritation. Dust is irritating to the respiratory tract. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, hedache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. Vapors may cause dizziness or suffocation.

Skin Contact:

May be harmful if absorbed through the skin. Causes skin irritation. Prolonged and / or repeated contact may cause irritation and / or dermatitis. Causes redness and pain

Eye Contact:

Causes seriour eye irritation. Causes redness and pain.

Ingestion:

May be harmful if swallowed. Ingestion of large amounts may cause gastrointestinal irritation. Expected to be a low ingestion hazard. No hazard expected in normal industrial use. Low hazard for usual industrial handling. May cause irritationof the digestive track. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depresstion, characterized by excitment, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.

3. COMPOSITION INFORMATION ON COMPONENTS / Fib-R-Fix_Part B

Chemical Name	CAS-N°	Concentration
Polyester resin	27923-68-8	60.0-65.0%
Propylene glycol methyl ether acetate	108-65-6	5.0-15.0%
Xylene (mixed isomers)	1330-20-7	1.0-10.0%
Isopropyl alcohol	67-63-0	1.0-10.0%
Glycol ether PM	107-98-2	1.0-10.0%
Ethylbenzene	100-41-4	0.0-3.0%

4. FIRST AID MEASURES / Fib-R-Fix_Part B =

First aid measures

General Advice	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
Protection Of First-Aiders	Use personal protective equipment.
Most Important Symptoms/Effects	No information available.
Notes To Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES / Fib-R-Fix_Part B

Flammable Properties	Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause flash fire.
Suitable Extinguishing Media	Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment And Precautions For Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific Hazards Arising From The Chemical	Flammable. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Closed containers may rupture if exposed to fire or extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.

6. ACCIDENTAL RELEASE MEASURES / Fib-R-Fix_Part B

Steps to be Taken in Case Materials is Released or Spilled:	Personal Precautions. Use Personal Protective equipment. Spilled / Leaks: Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.
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7. HANDLING AND STORAGE / Fib-R-Fix_Part B

Handling

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in ventilated areas. Prevent vapor build-up by providing adequate ventilation during and after use.

Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Ignition and/or flash back may occur.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. DANGER - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION / Fib-R-Fix_Part B

Exposure Limits

Chemical Name	OSHA TW	ACGIH TWA	CAS #
Polyester resin	N/E	N/E	PROPIETARY
Propylene glycol methyl ether acetate	N/E	N/E	108-65-6
Xylene (mixed isomers)	100 ppm - PEL	TLV: 100 ppm STEL: 150 ppm	1330-20-7
Isopropyl alcohol	400 ppm - PEL	TLV: 200 ppm STEL: 400 ppm	67-63-0
Glycol ether PM	100 ppm - PEL	TLV: 100 ppm STEL: 150 ppm	107-98-5
Ethylbenzene	100 ppm - PEL	TLV: 100 ppm	100-41-4

Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety & Health Administration Exposure Limits

N/E - Not Established

Appropriate engineering Controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields. If splashes are likely to occur, wear:. Tightly fitting safety goggles.

Skin Protection Long sleeved clothing. Protective gloves.

Respiratory Protection Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES / Fib-R-Fix_Part B

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> liquid	<input type="checkbox"/> Solid
Flash Point (°F)	80		
Boiling Point (°F)	280		
Lower Explosion Limit	1.0		
Weight per Gallon:	1.05 +/- , 3		UEL: 7.1
Vapor Pressure (mm HG)	7.1 @ 68F		
Vapor Density:	Heavier than Air		
Evaporation Rate:	Slower than Ether		
Percent Volatile:	53		

10. STABILITY AND REACTIVITY / Fib-R-Fix_Part B

Stability:	<input type="checkbox"/> Unstable	<input checked="" type="checkbox"/> Stable
Conditions to Avoid	Heat, Flames and sparks	
Instability:		
Incompatibility - Materials to	Bases, Strong acids, Strong oxidizing agents	
Avoid:		
Hazardous Decomposition or		
Byproducts:	Nature of decomposition products unknown.	
Possibility of Hazardous	Will occur ()	Will not occur (x)
Reactions:		
Conditions to Avoid -	No data available	
Hazardous Reactions:		

11. TOXICOLOGICAL INFORMATION / Fib-R-Fix_Part B

Toxicological Information	No Data available
Irritation or Corrosion:	No Data available
Sensitization	No Data available
Carcinogenicity / other	Carcinogenicity

IARC: 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: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified a carcinogen or potential carcinogen by OSHA. This product contains the following substances known to the state of California that cause cancer, birth defects, or other reproductive hazards: Benzene, Toluene.

12. ECOLOGICAL INFORMATION / Fib-R-Fix_Part B

General Ecological Information:	NO Data available
Persistence and Degradability	No Data available
Biocumulative Potential:	No Data available
Mobility in Soil:	No Data available

13. DISPOSAL CONSIDERATIONS / Fib-R-Fix_Part B

Waste Disposal Method Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

Empty Container Warning Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

14. TRANSPORT INFORMATION / Fib-R-Fix_Part B

LAND TRANSPORT (US DOT): Consumer Commodity – ORM-D – used for 1 gallon containers when shipped in the United States of America.
DOT Proper Shipping Name: UN1263, Paint Related Material, 3, PG III – 5 Gallon pails



Marine Transport IMDG Shipping: UN1263, Paint Related Material, 3, PG III



AIR TRANSPORT (ICAO/IATA): UN1263, Paint Related Material, 3, PG III
IATA Shipping Name:



15. REGULATORY INFORMATION / Fib-R-Fix_Part B

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S.304 RQ	S.313 (TRI)
27923-68-8	Polyester resin	No	No	No
108-65-6	Propylene glycol methyl ether acetate	No	No	No
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Yes
67-63-0	Isopropyl alcohol	No	No	Yes
107-98-2	Glycol ether PM	No	No	No
100-41-4	Ethylbenzene	No	Yes 1000 LB	Yes

All components in this product are listed in the TSCA Inventory List.

V.O.C. (mixed) (white) 2.83 LBS (339 GMS/L)

16. OTHER INFORMATION / Fib-R-Fix_Part B

Revision Date: 8/12/2015

Additional Information About This Product:

Hazardous Material Information System III (U.S.A)

Health: 2*

Flammability: 3

Reactivity: 0

Personal Protection: *

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by Gulf Coast Paint Mfg., Inc. and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

3. FIB-R-Fix_Filler

1. PRODUCT AND COMPANY IDENTIFICATION / Fib-R-Fix Filler

Product Name	Fib-R-Fix_Filler_SDS Sheets
Product Class	Fast drying Putty
Color	White
Recommended use	Void Filling
Restrictions on use	No information available

Manufacturer	Emergency Telephone Number(s)
Fixture-Fix LLC. PO Box 104. Oyster Bay NY 11771-0104 www.fixture-fix.com	718-Fixture (349-8873)

2. HAZARDS IDENTIFICATION / Fib-R-Fix Filler

HAZARD STATEMENTS: (CAT = Hazard Category)

(H200s) PHYSICAL: Flammable Liquids(CAT:2)

H225 HIGHLY FLAMMABLE LIQUID AND VAPOR.

(H300s) HEALTH: Aspiration Hazard(CAT:1)

H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

(H300s) HEALTH: Skin Corrosion/Irritation(CAT:2)

H315 CAUSES SKIN IRRITATION.

(H300s) HEALTH: Serious Eye Damage/Eye Irritation(CAT:2)

H320 CAUSES EYE IRRITATION.

(H300s) HEALTH: Acute Toxicity, Inhalation(CAT:4)

H332 HARMFUL IF INHALED.

(H300s) HEALTH: Target Organ Toxicity, Single Exposure;
Respiratory Tract Effects(CAT:3)

H335 MAY CAUSE RESPIRATORY IRRITATION.

(H300s) HEALTH: Target Organ Toxicity,
Single Exposure; Narcotic Effects(CAT:3)

H336 MAY CAUSE DROWSINESS OR DIZZINESS.

(H300s) HEALTH: Target Organ Toxicity, Single Exposure(CAT:2)

H371 MAY CAUSE DAMAGE TO ORGANS. (See Section 11 for Target Organ Information)

(H400s) ENVIRONMENT: Hazardous to Aquatic Environment, Acute(CAT:3)

H402 HARMFUL TO AQUATIC LIFE.



EXPOSURE PREVENTION: STRICT HYGIENE!**PREVENT DISPERSION OF MISTS OR DUST!**

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P264 Wash with soap & water thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302+352 IF ON SKIN: Wash with soap & water.
- P304+340 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses if present & easy to do - Continue rinsing.
- P309+311 If exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
- P331 Do NOT induce vomiting.
- P332+313 If skin irritation occurs: Get medical advice/attention.
- P337+313 If eye irritation persists, get medical advice/attention.
- P361 Remove/Take off immediately all contaminated clothing.
- P363 Wash contaminated clothing before reuse.
- P370+378 In case of fire: Use appropriate method to extinguish.
- P405 Store locked up.
- P501 Dispose of contents/container according to:
local/regional/national/international regulations.

4.4 SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

4.5 INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention.

4.6 SWALLOWING:

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

4.7 RESCUERS: Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of label and SDS to physician or health professional with victim.

4.8 NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

3. COMPOSITION INFORMATION ON COMPONENTS / Fib-R-Fix _ Filler

MATERIAL	CAS#	EINECS#	WT %
Extender Pigments	Confidential	-	50-55
Acetone	67-64-1	200-662-2	>11
Isopropanol	67-63-0	200-661-7	1- 5
n-Butanol	71-36-3	200-751-6	1- 5
Ethanol	64-17-5	200-578-6	1- 5
Medium Aliphatic Naphtha	*64742-88-7	-	1- 5
Xylenes	1330-20-7	215-535-7	1- 5
Nitrocellulose	9004-70-0	-	1- 5
n-Butyl Acetate	123-86-4	204-658-1	1- 5
Ethylbenzene	100-41-4	202-849-4	1- 1
1,2,4-Trimethylbenzene	95-63-6	202-436-9	0- 1

The specific chemical component identities and/or the exact component percentages of this material may be withheld as trade secrets. This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1).

TRACE COMPONENTS:

Trace ingredients (if any) are present in < 1% concentration, < 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

4. FIRST AID MEASURES / Fib-R-Fix _ Filler

4.1 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & CHRONIC:

See Section 11 for symptoms/effects, acute & chronic.

4.2 GENERAL ADVICE:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

4.3 EYE CONTACT:

If this product enters the eyes, check for and remove any contact lenses. Open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

5. FIRE-FIGHTING MEASURES / Fib-R-Fix _ Filler**5.1 FIRE & EXPLOSION PREVENTIVE MEASURES:**

NO open flames, NO sparks, & NO smoking. NO contact with oxidants. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting. Do NOT use compressed air for filling, discharging, or handling.

5.2 SUITABLE (& UNSUITABLE) EXTINGUISHING MEDIA:

Use dry powder, AFFF, alcohol-resistant foam, water spray, water in large amounts, carbon dioxide.

5.3 SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIRE FIGHTERS:

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots).

5.4 SPECIFIC HAZARDS OF CHEMICAL & HAZARDOUS COMBUSTION PRODUCTS:**FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE**

Isolate from oxidizers, heat, sparks, electric equipment & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Empty container very hazardous! Continue all label precautions!

6. ACCIDENTAL RELEASE MEASURES/ Fib-R-Fix _ Filler**6.1 SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:**

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. No action shall be taken involving personal risk without suitable training. Keep unnecessary and unprotected personnel from entering spill area. Do not touch or walk through material. Avoid breathing vapor or mist. Provide adequate ventilation. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area).

6.2 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, EMERGENCY PROCEDURES:

The proper personal protective equipment for incidental releases (such as: 1 Liter of the product released in a well-ventilated area), use impermeable gloves, they should be Level B: triple-gloves (rubber gloves and nitrile gloves over latex gloves), chemical resistant suit and boots, hard-hat, and Self-Contained Breathing Apparatus specific for the material handled, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard hat, and Self-Contained Breathing Apparatus or respirator.

Personal protective equipment are required wherever engineering controls are not adequate or conditions for potential exposure exist. Select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

6.3 ENVIRONMENTAL PRECAUTIONS:

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

6.4 METHODS AND MATERIAL FOR CONTAINMENT & CLEAN-UP:

Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13 - Disposal Considerations).

6.5 NOTIFICATION PROCEDURES:

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting release of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

7. HANDLING AND STORAGE / Fib-R-Fix _ Filler**7.1 PRECAUTIONS FOR SAFE HANDLING:**

Electrostatic charge may accumulate and create a hazardous condition when pumping and handling this material. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CR 1910.106, "Flammable and Combustible Liquids", National Fire Protection Association (NFPA 77, "Recommended Practice on Static Electricity", and/or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents". Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (≤ 1 m/sec until fill pipe submerged to twice its diameter. then ≤ 7 m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging or handling operations. Avoid free fall of liquid. Ground containers when transferring. Empty container very hazardous! Do not flame cut, saw, drill, braze, or weld. Continue all label precautions!

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep in fireproof surroundings. Keep separated from strong oxidants, strong acids, strong bases. Keep cool. Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

7.3 NONBULK: CONTAINERS:

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

7.4 BULK CONTAINERS:

All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

7.5 TANK CAR SHIPMENTS:

Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tanks (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

7.6 PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Collect all rinsates and dispose of according to applicable Federal, State, Provincial, or local procedures.

7.7 EMPTY CONTAINER WARNING:

Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY BURST AND CAUSE INJURY OR DEATH.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION / Fib-R-Fix _ Filler**8.1 EXPOSURE LIMITS:**

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Extender Pigments	Confidential	-	None Known	None Known
Acetone	67-64-1	200-662-2	1000 ppm	500 ppm A4
Isopropanol	67-63-0	200-661-7	400 ppm	200 ppm A4
n-Butanol	71-36-3	200-751-6	100 ppm S	25 ppm S
Ethanol	64-17-5	200-578-6	1000 ppm	1000 ppm A4
Medium Aliphatic Naphtha	*64742-88-7	-	500 ppm	100 ppm
Xylenes	1330-20-7	215-535-7	100 ppm	100 ppm A4
Nitrocellulose	9004-70-0	-	None Known	None Known
n-Butyl Acetate	123-86-4	204-658-1	150 ppm	150 ppm
Ethylbenzene	100-41-4	202-849-4	100 ppm	100 ppm A3
1,2,4-Trimethylbenzene	95-63-6	202-436-9	25 ppm	25 ppm

MATERIAL	CAS#	EINECS#	CEILING	STEL(OSHA/ACGIH)	HAP
Acetone	67-64-1	200-662-2	None Known	750 ppm	No
Isopropanol	67-63-0	200-661-7	None Known	400 ppm	No
n-Butanol	71-36-3	200-751-6	50 ppm	25 ppm	No
Xylenes	1330-20-7	215-535-7	None Known	150 ppm	Yes
n-Butyl Acetate	123-86-4	204-658-1	None Known	200 ppm	No
Ethylbenzene	100-41-4	202-849-4	None Known	125 ppm	Yes

In addition, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%): Benzene, Toluene, Polycyclic Aromatics

8.2 APPROPRIATE ENGINEERING CONTROLS:**RESPIRATORY EXPOSURE CONTROLS**

Airborne concentrations should be kept to lowest levels possible. If vapor, dust or mist is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air-supplied respirator authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations, after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown. Maintain airborne contaminant concentrations below exposure limits. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For particulates, a particulate respirator (NIOSH Type N95 or better filters) may be worn. If oil particles (such as: lubricants, cutting fluids, glycerine, and so on) are present, use a NIOSH Type R or P filter. For a higher level of protection, use positive pressure supplied air respiration protection or Self-Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS

Positive pressure, full-face piece Self-Contained Breathing Apparatus; or positive pressure, full-face piece Self-Contained Breathing Apparatus with an auxilliary positive pressure Self-Contained Breathing Apparatus.

VENTILATION LOCAL EXHAUST: Necessary **MECHANICAL (GENERAL):** Necessary

SPECIAL: None **OTHER:** None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:**EYE PROTECTION:**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, chemical splash goggles should be worn, when a higher degree of protection is necessary, use splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION:

Use gloves chemically resistant to this material. Glove must be inspected prior to use. Preferred examples: Butyl rubber, Chlorinated Polyethylene, Polyethylene, Ethyl vinyl alcohol laminate ("EVAL"), Polyvinyl alcohol ("PVA"). Examples of acceptable glove barrier materials include: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber ("nitrile") or ("NBR"), Polyvinyl chloride ("PVC") or "vinyl", Viton. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good practices. Wash and dry hands.

BODY PROTECTION:

Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from impervious materials are generally acceptable, depending on the task.

9. PHYSICAL AND CHEMICAL PROPERTIES / Fib-R-Fix _ Filler

APPEARANCE:	Opaque, White Putty
ODOR:	Ketone
ODOR THRESHOLD:	Not Available
pH (Neutrality):	Not Available
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	Not Available
FLASH POINT (TEST METHOD):	21 C / 70 F (TCC)
EVAPORATION RATE (n-Butyl Acetate=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Class I B
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	2.2
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	109.2
VAPOR DENSITY (air=1):	2.3
GRAVITY @ 68/68F / 20/20C:	
DENSITY:	1.648
SPECIFIC GRAVITY (Water=1):	1.650
POUNDS/GALLON:	13.745

WATER SOLUBILITY:	Appreciable
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	276C / 530F
DECOMPOSITION TEMPERATURE:	Not Available
TOTAL VOC'S (TVOC)*:	42.0 Vol% / 400 g/L / 2.5 Lbs/Gal
NONEXEMPT VOC'S (CVOC)*:	42.0 Vol% / 400 g/L / 2.5 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	16.0 Wt% / 150 g/L / 1.3 Lbs/Gal
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	0.0
VISCOSITY @ 20 C (ASTM D445):	Not Available

* Using CARB (California Air Resources Board Rules).

10. STABILITY AND REACTIVITY / Fib-R-Fix _ Filler

10.1 REACTIVITY & CHEMICAL STABILITY:

Stable under normal conditions, no hazardous reactions when kept from incompatibles.

10.2 POSSIBILITY OF HAZARDOUS REACTIONS & CONDITIONS TO AVOID:

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

10.3 INCOMPATIBLE MATERIALS:

Reacts violently with strong oxidants, strong acids, strong bases, causing fire & explosion hazard. Attacks many plastics, rubber, coatings.

10.4 HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide, Carbon Dioxide from burning.

10.5 HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION / Fib-R-Fix _ Filler

11.1 ACUTE HAZARDS

11.1.1 SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.

Absorption thru skin increases exposure.

Wash thoroughly after handling.

11.1.2 EYE CONTACT:

Primary irritation to eyes, redness, tearing, blurred vision. Solid can cause eye burns .

11.1.3 INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation.

Acute overexposure can cause harm to affected organs by routes of entry.

Use of alcoholic beverages enhances the harmful effect.

11.1.4 SWALLOWING:

ASPIRATION HAZARD! Harmful or fatal if swallowed. Do NOT induce vomiting.

If spontaneous vomiting occurs, keep victim's head below the waist to prevent aspiration. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea. The symptoms of chemical pneumonitis may not show up for a few days.

11.2 SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Pre-existing disorders of any target organs mentioned in this Document can be aggravated by over-exposure by routes of entry to components of this product. Persons with these disorders should avoid use of this product.

11.3 CHRONIC HAZARDS**11.3.1 CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:**

Potential Cancer Hazard based on tests with laboratory animals using Ethylbenzene.

Overexposure may create cancer risk. Leukemia been reported in humans from Benzene.

This product contains less than 4 ppm of Benzene. Not considered hazardous in such low concentrations.

Depending on degree of exposure, periodic medical examination is indicated.

Some persons may be more sensitive to the substance's effect on blood cells.

11.3.2 TARGET ORGANS: May cause damage to target organs, based on animal data.

11.3.3 IRRITANCY: Irritating to contaminated tissue.

11.3.4 SENSITIZATION: No component is known as a sensitizer.

11.3.5 MUTAGENICITY: No known reports of mutagenic effects in humans.

11.3.6 EMBRYOTOXICITY: No known reports of embryotoxic effects in humans.

11.3.7 TERATOGENICITY: No known reports of teratogenic effects in humans.

11.3.8 REPRODUCTIVE TOXICITY: No known reports of reproductive effects in humans.

A **MUTAGEN** is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate across generational lines. An **EMBRYOTOXIN** is a chemical which causes damage to a developing embryo (such as: within the first 8 weeks of pregnancy in humans), but the damage does not propagate across generational lines. A **TERATOGEN** is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A **REPRODUCTIVE TOXIN** is any substance which interferes in any way with the reproductive process.

11.4 MAMMALIAN TOXICITY INFORMATION

MATERIAL	CAS#	EINECS#	LOWEST KNOWN LETHAL DOSE DATA
n-Butanol	71-36-3	200-662-2	LOWEST KNOWN LD50 (ORAL) 790.0 mg/kg(Rats)

12. ECOLOGICAL INFORMATION / Fib-R-Fix _ Filler

12.1 ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.2 EFFECT OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

12.3 EFFECT OF MATERIAL ON AQUATIC LIFE:

The most sensitive known aquatic group to any component of this product is:

Chub 1000 ppm or mg/L (24 hour exposure).

Keep out of sewers and natural water supplies.

The substance is toxic to aquatic organisms.

Environmental effects of the substance have not been investigated adequately.

12.4 MOBILITY IN SOIL

Mobility of this material has not been determined.

12.5 DEGRADABILITY

This product is partially biodegradable.

12.6 ACCUMULATION

Bioaccumulation of this product has not been determined.

13. DISPOSAL CONSIDERATIONS / Fib-R-Fix _ Filler

THE GENERATION OF WASTE SHOULD BE AVOIDED OR MINIMIZED WHEREVER POSSIBLE.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled.

Incineration or landfill should only be considered when recycling is not feasible.

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers and liners may retain some product residues. Vapor from some product residues may create a highly flammable or explosive atmosphere inside the container. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE USED CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY BURST AND CAUSE INJURY OR DEATH. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal.

ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES. EPA CHARACTERISTIC: D001

14. TRANSPORT INFORMATION / Fib-R-Fix _ Filler

IF > 3125 LB / 1420 KG OF THIS PRODUCT IS IN 1 CONTAINER, IT EXCEEDS THE RQ OF XYLENES. "RQ" MUST BE PUT BEFORE THE DOT SHIPPING NAME.

DOT/TDG SHIP NAME: UN1263, Paint Related Material
(Contains: Acetone, Xylene), 3, PG-II, MARINE POLLUTANT

DRUM LABEL: (FLAMMABLE LIQUID)

IATA / ICAO: UN1263, Paint Related Material
(Contains: Acetone, Xylene), 3, PG-II, MARINE POLLUTANT

IMO / IMDG: UN1263, Paint Related Material
(Contains: Acetone, Xylene), 3, PG-II, MARINE POLLUTANT

EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

15. REGULATORY INFORMATION / Fib-R-Fix _ Filler

15.1 EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community

Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SECTION 15. REGULATORY INFORMATION (CONTINUED)

SARA TITLE III INGREDIENTS	CAS#	EINECS#	WT%	(REG.SECTION)	RQ(LBS)
Acetone	67-64-1	200-662-2	15-25	(311,312)	5000
*n-Butanol	71-36-3	200-751-6	0- 5	(311,312,313,RCRA)	5000
*Xylenes	1330-20-7	215-535-7	0- 5	(311,312,313,RCRA)	100
n-Butyl Acetate	123-86-4	204-658-1	0- 5	(311,312)	5000
*Ethylbenzene	100-41-4	202-849-4	0- 1	(311,312,313,RCRA)	1000

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

15.2 STATE REGULATIONS:**CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):**

This product contains the following chemical known to the State of California to cause cancer: Ethylbenzene

15.3 INTERNATIONAL REGULATIONS

The identified components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

15.4 CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

B2: Flammable Liquid.

D2A: Contains a substance known to cause serious chronic toxicity or death.

Ethylbenzene

This product was classified using the hazard criteria of the Controlled Products Regulations (CPR). This Document contains all information required by the CPR.

16. OTHER INFORMATION / Fib-R-Fix _ Filler**16.1 HAZARD RATINGS:**

HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 3, PHYSICAL HAZARD: 0

(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

16.2 EMPLOYEE TRAINING

See Section 2 (Hazards Identification). Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

16.3 SDS DATE: 12/08/2015

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources.

While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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 718-Fixture (349-8873)
 www.fixture-fix.com

Revision Date: 24-Sep-2015
Revision Summary Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

END OF SAFETY DATA SHEET