

 <b>LIGHTHOUSE</b> <i>for the BLIND</i> ST. LOUIS, MO.	<b>LHB Industries</b> <b>Safety Data Sheet</b>	Ref: ST/SDS/001	ISSUE 01
	<b>RapidFixUV Fiber Patch</b>	Date of Issue: 1st of October 2016	Revision: 001

**SECTION 1: IDENTIFICATION**

**Product name:** RapidFixUV Fiber Patch  
**Product Use:** GRP Protection/ Repair System  
**Manufacturer:** LHB Industries  
**Address:** 10440 Trenton Ave  
**City:** Saint Louis  
**State:** MO  
**Zip Code:** 63132  
**Customer Service:** (800) 542-3697  
**24 Hour Emergency Number:** (800) 633-8253 (PERS)

**SECTION 2: HAZARDS IDENTIFICATION**

As per Globally Harmonized System of Classification and Labelling of Chemicals.

**HEALTH HAZARDS:**

**Eye Irritation:** Category 2B  
**Respiratory Sensitization:** Category 1B  
**Skin Sensitization:** Category 1B  
**Carcinogenicity:** Category 2

**SIGNAL WORD:** Danger



**HAZARD STATEMENTS:**

- Harmful if swallowed.
- Causes eye irritation.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause an allergic skin reaction.
- Suspect of causing cancer.

**PRECAUTIONARY STATEMENTS:**

**Prevention** Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Wash hands thoroughly after handling.

Avoid breathing dust or vapors.  
Contaminated work clothing must not be allowed out of the work place.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

**If swallowed:** Call a Poison Center/Doctor if you feel unwell.

**If in your eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If irritation persists: Get medical Advice/Attention.

**If on skin:** Wash with plenty of soap and water.

**If skin irritation or rash occurs:**  
Get medical Advice/Attention.

**Wash contaminated clothing before reuse.**

**If exposed or concerned:** Get medical advice/attention

**STORAGE:**

**See Section 7**

**DISPOSAL:**

**Dispose of contents/container in accordance with Local/Regional/Regulations.**

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

**Ingredient Name:** Fiberglass  
**Ingredient Percentage:** 20 – 25%  
**ACGIH TLV TWA:** N/A

**Ingredient Name:** Mineral Fillers  
**Ingredient Percentage:** 45 – 50%  
**ACGIH TLV TWA:** N/A

**Ingredient Name:** Polyester Resin  
**Ingredient Percentage:** 18 – 23%  
**ACGIH TLV TWA:** N/A

**Ingredient Name:** Styrene Monomer  
**Ingredient Percentage:** 0.6% by weight  
**CAS:** 100425

**OSHA PEL TWA:** 100 ppm

#### SECTION 4: FIRST AID MEASURES

**General Advice:** Avoid contact with skin and eyes.  
**Skin:** Wash off immediately with soap and plenty of water.  
**Eye Contact:** Flush with plenty of water. Consult a physician. Show this Safety Data Sheet to the doctor in attendance.  
**Inhalation:** Remove to fresh air.

#### SECTION 5: FIRE – FIGHTING MEASURES

**Flammable Limits in Air, (% by volume):** LEL 6.6% UEL 0.9% (Styrene)  
**Flash Point:** 840° F  
**Autoignition Temp:** N/A  
**Extinguishing Media:** H2O, CO2, or dry chemical.  
**Fire Fighting Instructions:** Recommended protective clothing, full face self-contained MSHA/NIOSH approved breathing apparatus.  
**Unusual Fire and Explosive Hazards:** None

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin and eyes  
**Environmental Precautions:** Do not let product enter drains  
**Methods For Cleaning Up:** RapidFixUV Fiber Patch is a flexible solid and cannot leak or spill. In case of accidental release, source of ignition should be removed and the product placed in containers such as covered steel drums to await disposal. Wear appropriate personal protective equipment.

#### SECTION 7: HANDLING AND STORAGE

**Handling:** Use only in well ventilated areas.  
Keep away from heat and sources of ignition. Follow general industrial hygiene practice.  
**Storage:** For maximum storage life and to maintain material workability, store below 72° F (22° C). Material is packaged in special bags impermeable to styrene. Do not puncture bag. Re seal after partial use.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

Engineering controls are not necessary if good hygiene practices are followed. Before eating, drinking or smoking wash face and hands thoroughly with soap and water. Avoid unnecessary skin contact. Impervious gloves and apron are recommended to prevent skin contact. For operations where eye or face contact can occur, wear eye protection such as chemical or splash proof goggles or face shield. Where exposures are below the permissible exposure limit (PEL), no respiratory protection is required. Where exposures exceed the PEL, use respirator approved by NIOSH for the material and level of exposure. See "Guide to Industrial Respiratory Protection" (NIOSH). Cutting, grinding or sanding of parts fabricated after curing of this material may create respirable dust particles. Respiratory protection appropriate for this dust may be required. Refer to the regulated component section for potential hazardous components in dust. Gloves, long sleeved shirt and safety glasses are recommended to prevent contact with any dust particles generated.

### Ventilation requirements:

N/A if TLV/PEL not exceeded. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen – deficient environment.

Ensure that dust handling systems such as exhaust ducts, dust collectors, vessels and processing equipment are designed in a manner to prevent the escape of dust into the work area.

Use only appropriately classified electrical equipment and powered industrial trucks.

### Personal Protective Equipment:

#### Eye / face protection:

Safety glasses / goggles to protect against dry particles.

#### Skin protection:

Impervious and abrasion resistant.

#### Respiratory protection:

None if TLV / PEL not exceeded.

#### Other protective clothing or Equipment:

None – recommend using good industrial hygiene.

#### Work hygienic practices:

None. Recommend using good industrial hygiene practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	A soft, tacky material of various colours
<b>Odour:</b>	Sweet
<b>Odour Threshold:</b>	Low
<b>pH:</b>	N/A
<b>Melting point:</b>	N/A
<b>Boiling point/freezing point:</b>	N/A
<b>Flash Point:</b>	840° F
<b>Evaporation rate:</b>	0.00
<b>Flammability:</b>	Self-extinguishing. Does not hold a flame
<b>Upper / lower flammability or Explosive limits:</b>	N/A
<b>Vapour pressure:</b>	4.5 (styrene)
<b>Vapour density:</b>	3.6 (styrene)
<b>Relative density:</b>	N/A
<b>Solubility in water:</b>	Not soluble in water
<b>Partition coefficient: n-octanol/ Water:</b>	N/A
<b>Auto-ignition temperature:</b>	N/A
<b>Decomposition temperature:</b>	N/A
<b>Viscosity:</b>	Solid state

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions
<b>Conditions to Avoid:</b>	High temperatures, direct UV light.
<b>Incompatibility:</b>	Oxidizing agents
<b>Hazardous decomposition products:</b>	Carbon dioxides
<b>Hazardous polymerization: Polymerization conditions</b>	Not likely under normal conditions
<b>Conditions to avoid:</b>	High temperatures and direct UV light in uncured state.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>General toxicological info:</b>	<p>Hazard Identification. Toxicological Information on the Osha Regulated Components of this product are as follows:</p> <p>Styrene has an acute oral LD50 (RAT) of 5 g/kg. The inhalation LC50 (RAT) is 24 mg/l following a 4-hour exposure. Acute overexposure to styrene vapour may cause moderate eye and nasal irritation as well as drowsiness, headache and central nervous system depression. Styrene is a moderate skin and eye irritant. Styrene has been shown to cause lung tumors in mice. Epidemiological studies of styrene exposure</p>
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in humans is not conclusive due to the inadequate control of variables.

Acute oral (RAT) and dermal (RABBIT) LD (50) values are estimated to greater than 5,000 mg/kg and greater than 2,000 mg/kg, respectively. The 4-hour inhalation LC 50 (RAT) value is estimated to be greater than 20 mg/l. Direct contact with this material may cause minimal eye and skin irritation. Inhalation overexposure may cause irritation of the respiratory tract and eyes. Refer to section 11 for Toxicology information on the sha Regulated Components of this product. Inhalation overexposure to Zinc Stearate, Alumina Trihydrate, Kaolin, Calcium Metasilicate, Glass, Mica, Fiberglass, Cellulose, Iron Oxide, Carbon Black, and Talc may cause respiratory congestion and irritation.

Carcinogenicity of Styrene

IARC Group 2B Carcinogen.

## **SECTION 12: ECOLOGICAL INFORMATION**

No Applicable Information was found.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposable considerations:**

Cure waste material by exposing to UV light (sunlight or artificial) and dispose of as non-hazardous solid waste as per local regulations.

## **SECTION 14: TRANSPORT INFORMATION**

<b>UN number:</b>	Not applicable
<b>Packaging Group:</b>	Not applicable
<b>ADR/RID:</b>	Not applicable
<b>ICAO/IATA:</b>	Not applicable
<b>IMDG Code:</b>	Not applicable
<b>Stow away from foodstuffs:</b>	Yes
<b>Marine Pollutant:</b>	Non-hazardous for transport

## **SECTION 15: REGULATORY INFORMATION**

**US Federal regulations:**

US TSCA: This product is manufactured in compliance with all provisions of the toxic substances Act, 15 U.S.C. 2601 ET.SEQ.

## SECTION 16: OTHER INFORMATION

**SDS last date of revision:**                      **16 October 2017**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication.

Users of Boss Products USA materials should familiarise themselves with storage, handling and application use to ensure all safety requirements are observed. No guarantee or warranty, express or implied. Is made with respect to this information and no liability is assumed as a result of its use.

For any additional material and safety information, please contact:

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Product Name: RapidFix Adhesive  
Date revised : October 2017  
Web: www.rapidfixint.com  
Product Type: Cyanoacrylate Ester

Poison Info Line 24 Hours 7 days 13 11 26