



## Safety Data Sheet-Alkali Resistant Glass Fiber/Scrim

### 1 – PRODUCT IDENTIFICATION

**Product Name:** BR A/R Glass Fibers/Scrim  
**Product Use:** Concrete reinforcement  
**DATE PREPARED:** 5-16-2016  
**COMPANY:** Buddy Rhodes Concrete Products  
9126 Industrial Blvd Covington GA 30014  
(678)729-9330  
**EMERGENCY PHONE:** (800) 424-9300 (CHEMTREC)  
**International call:** 703-527-3887 (collect calls accepted)

### 2 – HAZARDS IDENTIFICATION

#### Classification of the chemical in accordance with Standard 29 CFR 1910.1200 (US-GHS)

This product is an “article” according to 29 CFR 1910.1200 and European Directive 99/45/EC, 67/548/EEC and their latest amendments. Continuous filament glass fibers are not respirable according to the World Health Organization (WHO) definition, therefore do not pose a risk of serious pulmonary disease. Therefore an SDS is not legally required. The information provided is to assure safe handling of glass fiber products.

#### Label Elements (Hazard Communication Standard 29 CFR 1910.1200 (US-GHS))

**Pictograms:** none  
**Signal word:** none

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical names	CAS No	Concentration
Alkali Resistant Glass Fiber	65997-17-3	>=98%

**Substance/Mixture:** Substance  
**Synonym:** AR Glass Fiber

### 4 – FIRST-AID MEASURES

#### Description of first aid measures

**In case of inhalation:** Gargle with clean water about ten times. Also, blow your nose gently. Seek medical attention if you



## Safety Data Sheet-Alkali Resistant Glass Fiber/Scrim

feel some itching or irritation in the nose and/or throat.

**In case of skin contact:** Do not rub or scratch the affected areas. Rubbing or scratching may cause harsh itching or irritation. Rinse with running water first and then wash with warm water and soap. Bathing is an effective way

**In case of eye:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs, get medical advice.

**In case of ingestion:** Wash mouth with water thoroughly. Seek medical attention if necessary.

**Most important symptoms/effects both acute and delayed:** Seek medical attention if inhaled or ingested

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically and supportively

### 5 – FIRE-FIGHTING MEASURES

**Extinguishing Media:** Water fog or spray, Foam, Dry Powder, Carbon Dioxide (CO<sub>2</sub>).

**Flash point:** Not applicable

**Auto ignition temperature:** Not applicable

**Specific protective equipment and procedures for firefighters:** Wear self contained breathing apparatus and protective clothing

**Specific chemical hazards:** Glass fiber itself is not combustible. But the binders or surface treating agents on glass fiber are generally combustible and give off little hazardous by-products other than carbon monoxide, carbon dioxide and water on combustion.

### 6 – ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** If necessary, wear a safety mask, safety gloves or safety goggles. If spilled on the floor, clean quietly so that dust particles will not be dispersed and put into a container or bag

**Methods for cleanup:** treat it same as general industrial waste.

### 7 – HANDLING and STORAGE

**Storage:** not applicable

**Handling:** Avoid inhalation or contact with the eye or skin. If necessary, use gloves, safety glasses (preferably goggles) and dust mask (approved by the government authorities: replaceable/one-way).

Glass fiber is readily charged with static electricity. Static electricity can damage electronic components and cause explosions and fires. Take measures to prevent the build up of electrostatic charge.

### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational exposure limits**

Japan Society for Occupational Health (2004 - 2005); 2mg/m<sup>3</sup> (Inhalable dust: recommendation), 8mg/m<sup>3</sup> (Total dust: recommendation)

- OSHA; 15mg/m<sup>3</sup> TWA (total dust), 5mg/m<sup>3</sup> TWA (inhalable dust)

- ACGIH; 1 fiber/cm<sup>3</sup> TWA (respirable fraction)

**Appropriate engineering controls:** If needed use local exhaust ventilation to keep dust concentration below limits cited in this Section.

**Personal Protective Equipment**

**Respiratory Protection:** Dust mask required in dusty environments or exceeding total dust limits

**Eye/Face protection:** Wear appropriate chemical safety glasses/goggles.

**Hand/Skin Protection:** Wear appropriate protective gloves and clothing.

**General Hygiene Considerations:** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.



## Safety Data Sheet-Alkali Resistant Glass Fiber/Scrim

### 9 – PHYSICAL / CHEMICAL PROPERTIES

**Appearance:** White glass fiber aggregate,  
**Physical State:** solid  
**Color:** white  
**Odor:** Odorless  
**pH:** Not applicable  
**Melting Point:** >800°C softening point  
**Boiling Point:** NA  
**Flash point:** Not applicable  
**Flammability (solid,gas):** Not flammable  
**Explosive Properties:** Not explosive  
**Vapor Pressure:** Not applicable  
**Vapor Density (AIR=1):** Not applicable  
**Density:** 2.8g/cm<sup>3</sup>  
**Solubility in water:** Insoluble  
**Partition Coefficient (n-octanol/water):** NOT APPLICABLE  
**Auto-ignition temperature:** Not applicable  
**Viscosity:** Not applicable

### 10 – STABILITY and REACTIVITY

**Reactivity:** No hazardous reaction known under normal conditions of use  
**Chemical Stability:** Stable under normal conditions  
**Hazardous Reactions:** Stable under normal conditions  
**Conditions to avoid:** dust generation  
**Incompatible materials:** no known incompatible materials  
**Hazardous Decomposition.:** na

### 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity:** None  
**Acute Oral Toxicity:** NA  
**Acute Inhalation Toxicity:** Based on available data the classification criteria are not met  
**Chronic Toxicity:** Based on available data, the classification criteria are not met  
**Irritation:** may irritate eyes, skin, and respiratory tract  
**Sensitization:** Non-sensitizing  
**Mutagenicity:** Non-mutagenic  
**Carcinogenicity:** This product contains no known or potential carcinogens  
**Reproductive toxicity:** No known significant effects or critical hazards on reproduction.  
**Aspiration hazard:** Not applicable

### 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** Not expected to be harmful to aquatic organisms  
**Persistence and degradability:** Not applicable  
**Bioaccumulative potential:** The product does not contain any substances expected to be bioaccumulating.



## Safety Data Sheet-Alkali Resistant Glass Fiber/Scrim

**Mobility in soil:** Not applicable

**Results of PBT and vPvB assessment:** The substance does not meet the criteria to be identified as PBT or vPvB

### 13 –DISPOSAL CONSIDERATIONS

**Disposal considerations:** Dispose in a safe manner in accordance with local / state / Federal regulations. Avoid release to the environment.

It is responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

### 14 – TRANSPORTATION INFORMATION

**DOT:** Not regulated, not dangerous good.

**Transport by sea (IMO / IMDG):** Not regulated. Not dangerous good

**Air transport (ICAO/ IATA):** Not regulated. Not dangerous good

### 15 - REGULATIONS

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SRA Title III Chemical Listings:

**US Federal Regulations**

**TSCA Status:** all components are listed or exempted

**SECTION 302:** None

**SECTION 312**

**Acute:** None

**Chronic:** None

**Fire:** None

**Pressure:** none

**Reactive:** None

**SARA 313:** none

**Clean Water Act:** not applicable

**FDA:** NA

**US State Regulations**

Does not appear on any RTK lists

**International regulations**

Continuous glass fiber is not classified as a “Dangerous Substance” or “Dangerous Preparation” according to EU-Directives 67/548/EEC, 1999/45/EC and amendments.

Continuous glass fiber complies with all other national or local regulations regarding the use, transport, recycling, reuse, or disposal.

Glass fiber is considered an article and is exempted from requirements of TSCA, REACH, EINECS,



## Safety Data Sheet-Alkali Resistant Glass Fiber/Scrim

DSL, AICS, KECL and so on.

Existing registration of chemical substances in the major countries

- Registration, Evaluation, Authorization and Restriction of Chemicals (REACH regulation in the EU)

EINECS No. Not applicable

CAS No. Not applicable

- European Inventory of Existing Commercial Chemical Substances

EINECS No. 266-046-0

CAS No. 65997-17-3

Registered names: Glass, oxide, chemicals

- Inventory of Toxic Substances Control Act (TSCA) in the US

CAS No. 65997-17-3

Registered names: Glass, oxide, chemicals

- Current chemical substances registration in China

CAS No. 65997-17-3

Registered names: Glass, oxide, chemicals

- Domestic Substance List in Canada

CAS No. 65997-17-3

Registered names: Glass, oxide, chemicals

- Australian Inventory of Chemical Substances in Australia

CAS No. 65997-17-3

Registered names: Glass, oxide, chemicals

- Korean Existing Chemicals List in Korea

CAS No. 65997-17-3

Korean Existing Chemicals Inventory KE-17630

Registered names: Glass, oxide

### 16 – OTHER INFORMATION

**Additional Information:** This Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HCS-2012) and its adaptation of United Nations 'Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

**DISCLAIMER OF LIABILITY:** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.