



## Safety Data Sheet- BRGFRC/ECC ADMIX

### 1 – PRODUCT IDENTIFICATION

**Product Name:** GFRC/ECC Admix  
**Product Number:**  
**Product Use:** building materials, concrete admixture

**DATE PREPARED:** 12-1-2016  
**COMPANY:** Buddy Rhodes Concrete Products  
5600 Lower Macungie Rd, Macungie PA 18062  
Domestic: (877) 706-5303 International: (610) 252-5800

**EMERGENCY PHONE:** domestic: (800) 255-3924 international: (813) 248-0585 (Chem-Tel)

### 2 – HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**  
Skin corrosion/irritation – Category 2 (H315)  
Eye irritation – Category 2A (H319)

**GHS Label elements, including precautionary statements**

**Hazard Pictogram(s):**



**Signal word:** Warning

**Health Hazards:**  
H315 Causes skin irritation  
H319 Causes serious eye irritation

**General Precautions:**  
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.

**Prevention Precautions:**  
P264 Wash with soap and water thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response Precautions:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Hazards not otherwise classified (HNOC) or not covered by GHS – none known**



## Safety Data Sheet- BRGFRC/ECC ADMIX

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical names	CAS No	Concentration
GFRC/ECC Admix	Proprietary Blend	proprietary

**Substance/Mixture:** mixture

### 4 – FIRST-AID MEASURES

#### Description of first aid measures

**In case of inhalation:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

**In case of skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists seek medical attention.

**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:** Give victim 1-2 glasses of water or milk. Do not induce vomiting unless directed to do so by a physician. If you feel unwell, seek medical attention.

**Most important symptoms/effects both acute and delayed:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### 5 – FIRE-FIGHTING MEASURES

**Extinguishing Media:** Suitable extinguishing media: Foam, water spray, dry chemical powder, carbon dioxide, or sand  
Unsuitable extinguishing media: Do not use a heavy water stream

**Flash point:** Not applicable

**Auto ignition temperature:** Not applicable

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

**Specific chemical hazards:** Irritating and toxic gases/fumes may be released during a fire. Do not allow run-off from fire-fighting to enter drains or water courses.

### 6 – ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Dispose of in accordance with Federal, State or local procedures.

**Methods for cleanup:** Disposal should be in accordance with local, state or national legislation. Do not allow to enter drains, sewers or watercourses.



## Safety Data Sheet- BRGFRC/ECC ADMIX

### 7 – HANDLING and STORAGE

**Storage:** Store in a closed container away from incompatible materials (Section 10 of the SDS). Keep in original container. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Keep away from heat and sources of ignition. Protect from physical damage.

**Handling:** Minimize dust generation during material handling and transfer.

### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Occupational exposure limits

##### NIOSH REL (United States, 10/2013).

CELL: 15 mg/m<sup>3</sup> Form: Dust

TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Dust and fumes

STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Fume

##### OSHA PEL (United States, 2/2013).

TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Fume

TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction

TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust

##### ACGIH TLV (United States, 4/2014).

STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Respirable fraction

TWA: 2 mg/m<sup>3</sup> 8 hours. Form: 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:** Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and assigned protection factor of the selected respirator

**Eye/Face protection:** To prevent eye contact, wear safety glasses with side shields, safety goggles or face shields when handling dust or wet cement. Wearing contact lenses when working with cement is not recommended

**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. Remove contaminated clothing and laundry before reuse.

### 9 – PHYSICAL / CHEMICAL PROPERTIES

**Appearance:** Dry Powder

**Physical State:** solid

**Color:** white

**Odor:** odorless

**pH:** Not applicable

**Melting Point:** NA

**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



## Safety Data Sheet- BRGFRC/ECC ADMIX

**Density:** NA

**Solubility in water:** Insoluble but disperses completely.

**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:** Avoid contact with strong acids, reducing agents, and oxidizers.

**Incompatible materials:** Mineral oxide is soluble in aqueous acids generating heat and steam; violent reaction or ignition with interhalogens (e.g., bromine pentafluoride; chlorine trifluoride). Incandescent reaction with phosphorus pentachloride. Water will react with mineral oxide producing mineral hydroxide and heat.

**Hazardous Decomposition.:** Product contains low levels of organic volatiles which may be emitted or released in application processes involving the use of heat. Vent all ovens and process vessels to the outside atmosphere.

### 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Dust may irritate eyes, skin, respiratory tract, mucous membranes. Dust hazard should not occur under normal use.

**Acute Oral Toxicity:** NA

**Acute Inhalation Toxicity:** Prolonged or frequent breathing of excess dust may cause an adverse respiratory effect.

**Chronic Toxicity:** Prolonged or frequent breathing of the excess dust may cause an adverse respiratory effect.

**Irritation:** may irritate eyes, skin, and respiratory tract

**Sensitization:** Non-sensitizing

**Mutagenicity:** Non-mutagenic

**Carcinogenicity:** None known

**Reproductive toxicity:** No known significant effects or critical hazards on reproduction.

**Aspiration hazard:** Dust is irritant to respiratory tract.

### 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** The product is expected to have low toxicity to aquatic organisms

**Persistence and degradability:** Not applicable

**Bioaccumulative potential:** Low potential.

**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.



## Safety Data Sheet- BRGFRC/ECC ADMIX

### 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:** Dust may irritate eyes, skin, respiratory tract, mucous membranes. Dust hazard should not occur under normal use.

**Chronic:** yes

**Fire:** None

**Pressure:** none

**Reactive:** None

**SARA 313:** none

**Clean Water Act:** not applicable

**FDA:** NA

**US State Regulations**

Appears on the following RTK lists

New Jersey, Massachusetts, Pennsylvania

**International regulations**

Canada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the (M)SDS contains all information required by the Controlled Products Regulation

Canada

:

**WHMIS CLASSIFICATION**

Class D, Division 2, Subdivision B

This product contains component(s) that are listed on the WHMIS Ingredient Disclosure List.

Silica

7631-86-9

Ethanol, 2-(2-Butoxyethoxy)-

112-34-5



## Safety Data Sheet- BRGFRC/ECC ADMIX

### 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.