

### 1. Substance/Preparation and Company Identification

Company

Abri Industries, LLC.  
8055 West Manchester Ave Suite 735  
Playa Del Rey, CA 90293

24-Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

### 2. Composition/Information on Ingredients

Product Name: MicroBond 87  
Appearance: Dry Powder  
Odor: None  
Color: Gray  
VOC: 17g /L  
Weight: 8.5 Lbs. Per Gallon  
Look & Feel: Cementitious Powder

<u>Input</u>	<u>CAS #</u>	<u>Weight %</u>
Zirconium Oxide	73649-21-5	<10%
Zinc Oxide	1314-13-2	<10%
Aluminum Oxide	1344-28-1	<40%
Calcium Aluminate	65997-16-2	<25%
Wollastonite	13983-17-0	<5%

ABRI MicoBond 87 complies with California VOC and AQMD requirements for industrial applications as defined in Rule 1113.

### 3. Hazard Identification

HMIS: Health: 1    Fire: 0    React: 1    Contact: 1

NFPA: Health: 1    Fire: 0    React: 1    Contact: 1

Emergency Overview: Product contains mechanical irritants to skin, eyes and respiratory tract and may present a nuisance dust hazard. Avoid breathing dust. Avoid contact with skin. Wear protective clothing including gloves, goggles or safety glasses with side shields and NIOSH approved dust mask.

Effects of Chronic Exposure: No data Available

### 3. Hazard Identification (continued)

Effects of Acute Exposure: Dust may irritate eyes, skin, nasal passages and respiratory tract. Remove to fresh air immediately. If breathing is difficult, give oxygen by qualified personnel. Seek medical attention if irritation persists.

#### Signs & Symptoms of Exposure:

Inhaled Dust: Sneezing, coughing, discolored sputnum  
Eye Contact: Redness, tearing, irritation  
Skin Contact: Drying, chapping, dermatitis

#### Medical Conditions Aggravated by Exposure:

As with exposure to any environment without adequate personal protection, inhalation of dust may aggravate any pre-existing respiratory disease' prolonged/frequent skin contact may lead to dermatitis.

### 4. Emergency and First Aid Measures

Eyes: Do not rub eyes. Wash eyes under slowly running water for at least fifteen minutes, making sure eyes are held wide open and moved slowly in every direction. Ensure no solid particles remain in creases of eyelids. If so, continue to was. If irritation persists, consult an Ophthalmologist.

Skin: Remove from source of irritation. Remove contaminated clothing and wash affected area thoroughly with a mild soap and water. Wash contaminated clothing before reusing.

Inhalation: Remove to fresh air immediately. Do not permit exposed person to remain in dusty environment without adequate respiratory protection.

Ingestion: Treat symptomatically. If bowel obstruction occurs, immediately consult a physician.

### 5. Fire Fighting Measures

Flash Point: Product is not flammable or combustible

Flammable Limits: N/A

Auto-Ignition: Does not ignite

Sensitivity to Mechanical Impact: N/A

Suitable extinguishing Media: Use media appropriate to primary source of fire. Otherwise, use dry chemical, carbon dioxide, water spray or foam.

Hazards to Fire Fighters: None Known

Fire Fighting Procedures: No special procedures, avoid breathing fumes or dust. Keep upwind.

## 6. Accidental Release Measures

Personal Precautions:	Use personal protective clothing. Wear goggles with side shield, body covering protective clothing and chemical resistant gloves.
Environmental Precautions:	Do not discharge into drains/surface waters/ground water.
Small Spill Clean-Up:	Collect and re-use if possible. Cover and stabilize powder with plastic sheeting or covering material to avoid dispersion. Absorb on inert material and place into container for proper disposal. Do not allow runoff into public waterways.
Large Spill Clean-Up:	Keep unnecessary people away. Isolate hazard area and deny entry. Cover and stabilize powder with plastic sheeting or covering material to avoid dispersion. Do not touch or walk through spilled material. Avoid runoff from entering into storm sewers and ditches that lead to natural earth. Collect and re-use if possible. Do not allow runoff into public waterways.

## 7. Handling and Storage

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing powder or dust. Wash hands thoroughly with water and soap before eating. Emergency shower or water source should be easily accessible. Promptly clean up spills.
Storage:	Keep containers tightly closed. Store in temperatures between 35-100 F. Avoid moisture contamination – which will harden the material. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

## 8. Exposure Controls and Personal Protection

Engineering Controls:	Local Exhaust Ventilation, Acceptable Mechanical, Clean water should be available.
Respiratory Protection:	For general use, standard construction airborne mask will suffice. Dust and mist respiratory protection where spray occurs if dust is a problem. If airborne concentration poses a health hazard or become irritating in a closed area, use a NIOSH approved respirator in accordance with OSHA respirator protection requirements under 29 CFR 1920, 134.
Skin Protection:	Wear body-covering protective clothing and gloves. Gloves should be chemical resistant and protective.
Eye Protection:	Safety goggles with side shields.
General Hygienic Measures:	Do not eat, drink or smoke during use. Do not eat without thoroughly washing hands with soap and water. Handle in accordance with good industrial hygiene and safety practice.

## 9. Stability and Reactivity

Chemical Stability:	This material is stable under all recommended conditions of use and storage.
Conditions to Avoid:	None known if stored and handled according to instruction.
Hazardous Combustion Products:	None Known
Hazardous Polymerization:	Will not occur
Incompatibilities:	Moderate to high moisture environments, as with any hydrate materials. Avoid moisture and avoid freezing

## 10. Toxicology Information

Carcinogenic Effects:	No carcinogenic effect
Mutagenic Effects:	No mutagenic effect
Teratogenic Effects:	No teratogenic effect
Reproductive Effects:	No reproductive toxicity effect

## 11. Ecological Information

Eco-toxicity:	This inorganic compound has no known eco-toxicities
Degradability:	This inorganic compound has no known degradability Avoid contamination of ground water or waterways.

## 12. Transport Information

DOT Shipping Name:	Not regulated
Land Transport:	US DOT – Not classified as a dangerous good under transportation regulations.
Sea Transport:	IMDG – Not classified as a dangerous good under transportation regulations.
Air Transport:	IATA/ICAO – Not classified as a dangerous good under transportation regulations.

## 13. Regulatory Information

OSHA Hazard Category:	Not a hazard.
-----------------------	---------------

### Disclaimer of expressed and implied warranties

The information in this document is believed to be true and correct as of the date issued. This document has been prepared using data from sources considered technically reliable. There are no guarantees to its accuracy or suitability to specific applications. Actual conditions of use, handling and end product performance are the sole responsibility of the user. The user assumes all risk and liability for use beyond Abri Industries, LLC's control, including compliance with local, state and federal regulations. No warranty of merchantability, fitness for any use or other warranty is expressed or to be implied regarding its use. This information and the product are furnished on the condition that the persons receiving them shall make his/her/their own determination as to the suitability of the product for his/her/their particular purpose and on the condition that he/she/they assume the risk of his/her/their particular purpose and on the condition that he/she/they assume the risk of his/her/their use thereof. This product is to be applied by trained and certified applicators of Abri Industries, LLC only. All users apply this product at their own risk and liability.