

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: Micro Bond 87 Emulsion
Appearance: White, milk-like liquid with a slight amine odor
Boiling Range: >212 F
Vapor Density: 23mbar @20C
Evaporation Rate: Slower than ether
Solubility in Water: In practically every proportion miscible
Bulk Density: 8.5 lbs / Gal
Viscosity: 30-200mPA (Brookfield RVT, spindle 1,50RPM @ 20C)
Solvent Contents: 3.5%

HMIS: Health: 1 Fire: 1 React: 1 Contact: 1
NFPA: Health: 1 Fire: 1 React: 1 Contact: 1

Component	CAS #	% by Wt.
Polyurethane Resin	68227-93-0	26 - 29
Dimethylaminoethanol	108-01-0	1.0- 1.4
N-Methyl-2-pyrrolidone	872-50-4	3.7 - 5.0

ABRI MicoBond 87 Emulsion complies with California VOC and AQMD requirements for industrial applications as defined in Rule III3.

3. Fire and Explosion Hazard Data

Hazardous Components:	None
DOT Flammability:	Aqueous solution. Will not burn.
Flash Point Range:	None to boiling.
Extinguishing Media:	This material will not burn. Use that which is appropriate for surrounding fire.
Unusual Fire/Explosion Hazards:	None are expected.
Fire Fighting Procedures:	The use of a self-contained breathing apparatus (SCBA) is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame.

4. Emergency and First Aid Measures

Eyes:	The product may cause eye irritation. Direct contact with the liquid or exposure to the mists may cause burning, tearing or redness. If irritation or redness develops, move victim away from cause of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If breathing difficulties develop, oxygen should be administered by qualified personnel. If victim is not breathing, artificial respiration should be administered by qualified personnel. Seek immediate medical attention.
Skin:	This product may cause skin irritation. Prolonged or repeated exposure to this product may cause redness, burning and dermatitis. Remove contaminated clothing. Clean affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.
Inhalation:	Inhalation of excessive concentrations of mists may cause irritation of the nose and throat. If this occurs, move victim away from cause of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If breathing difficulties develop, oxygen should be administered by qualified personnel. If victim is not breathing, artificial respiration should be administered by qualified personnel. Seek immediate medical attention.
Ingestion:	Ingestion of excessive quantities may cause irritation of the digestive track, vomiting, diarrhea and excessive urination. Seek immediate medical attention. If the victim is drowsy or unconscious, please on left side with head down and do not give anything by mouth. If victim is conscious and alert, vomiting should be induced for ingestions or large amounts (more than 5 ounces for an adult), preferably with syrup of (ipeaca) under direction from a physician or poison center.

5. Stability and Reactivity Data

Stability:	Stable
Conditions to avoid:	None known
Hazardous Decompositions:	None Known
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Strong acids and bases, high temperature or freezing. At 212 F phase separation and possible coagulation.

6. Handling and Storage

Handling and Storage:	Keep container closed when not in use and in a cool, dry, well-ventilated area. Protect containers from physical damage. Avoid contact with eyes. Avoid breathing fumes and only use in a well-ventilated area. Consumption of food and beverages should be avoided in work area where product is being used. After handling product, always wash hands and face thoroughly with soap and water before eating, drinking or smoking.
Other precautions:	Use good personal hygiene practice. Avoid inhalation of mists and personal contact with this product.

7. Exposure Controls and Personal Protection

Personal Protective Equipment

Protective Gloves:	The use of heavy-duty rubber gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.
Eye Protection:	Approved eye protection, such as tight-fitting protective goggles, is recommended to safeguard against any possible irritation.
Clothing:	Long sleeves, buttoned collar, long pants extended over shoes or coveralls.
Ventilation:	If current ventilation practices are not adequate for minimizing exposures, additional ventilation or exhaust systems may be required.
Respiratory:	Respiratory protection, such as a nuisance dust mask may be desirable to minimize exposure to mists.
Other Protection:	It is suggested that a source of clean water be available in the work area for flushing eyes and skin if necessary. Impervious clothing should be worn as needed.

8. Spill or Leak Procedures

Precautions in case of leak or spill:

Stay Upwind and away from spill. Flush spilled material into suitable retaining areas or containers with large amounts of water. Prevent spilled liquid from entering drains, sewers and waterways. After containment of the spilled product, pump it into a vapor-tight plastic or steel drums. Spilled material may be absorbed in sand or an inert absorbent. Contact fire authorities and appropriate state/local agencies.

Waste Disposal Method:

Dispose of product in accordance with the applicable local, county, state, and federal regulations.

9. Toxicology Information

LD50/rat: 2,000mg/kg – Estimate based upon analogy to similar products.

See section for Human effects and symptoms of overexposure.

10. Ecological Information

LC50 >500mg/l – estimate based on analogy to similar products.

Avoid contamination of ground water or waterways.

11. Transportation 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/IACO – Not classified as a dangerous good under transportation regulations.

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/her/they assume the risk of his/her/their particular purpose and on the condition that he/she/her/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.