



MATERIAL SAFETY DATA SHEET

1. MATERIAL IDENTIFICATION

Product Name: **AQUABOND AB-1000 PART B**

"IMPORTANT: Exportation of this product is controlled by the United States Government Department of Commerce. See Section 15 Regulatory Information for details."

EMERGENCY PHONE: For product emergency involving spill, leak, fire, exposure, or accident call CHEMTREC at (800) 424-9300. For all other inquires please call Aquabond, LLC. at (714) 961-1420.

2. COMPOSITION

HAZARDOUS COMPONENTS	CAS NO.	PERCENT	Exposure Limits	
			ACGIH TLV-TWA	OSHA PEL
Hydroxy terminated 1,3-Butadiene Homopolymer	69102-90-5	> 50	N.E.	N.E.
4-Vinylcyclohexane	100-40-3	< 500 ppm	0.1 ppm	N.E.
1,3-Butadiene	106-99-0	< 5 ppm	2 ppm	1000 ppm

Abbreviations: N.E.: Not Established; RF: Respirable Fraction; TP: Total Particulate

3. HEALTH HAZARDS IDENTIFICATION

Routes of Exposure: Eyes: Yes Skin: Yes Inhalation: Yes

Eye Contact: Direct contact or vapors may cause moderate irritation.

Skin Contact: Contact can cause moderate irritation.

Inhalation: May cause nasal irritation and headaches.

Ingestion: May cause gastrointestinal irritation. May be harmful if swallowed.

4. FIRST AID MEASURES

- Eyes:** Flush eyes with plenty of water for 15 minutes while holding eyelids open. Obtain prompt medical attention.
- Skin:** Remove contaminated clothing and wipe excess from skin. Flush skin with water. Follow by washing with soap and water. Seek medical attention. Do not reuse clothing until laundered.
- Inhalation:** If vapor is inhaled, remove to fresh air. Administer oxygen if there is difficulty breathing. Give artificial respiration if breathing has stopped. Obtain medical attention.
- Ingestion:** Give two glasses of water and induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

- Flash Point:** >400 °F (Open Cup)
- Explosive Limits:** Not applicable
- Auto-Ignition Temperature:** Not applicable.
- Hazardous Combustion Products:** Small quantities of butadiene, along with oxides of carbon.

Fire Fighting Instructions: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Ventilate the area and remove all ignition sources. Contain the spill by building a dike using absorbent material. Collect the remainder of the spill with absorbent material and place the material in a drum approved for wasted disposal.

7. HANDLING and STORAGE

Store in a cool, dry, well-ventilated area. Keep away from open flames and high temperatures. Keep in tightly sealed containers. Protect from freezing. Avoid skin and eye contact.

8. EXPOSURE CONTROLS and PERSONNEL PROTECTION

Engineering / Ventilation Controls: Maintain airborne concentrations below the established exposure limits. General ventilation may be acceptable, however, enclosure and local exhaust may be required to control exposure when generating vapors or mists. An eye wash facility should be readily available.

Respiratory Protection: Where exposure exceeds established airborne limits, use a NIOSH approved respirator, or a self-contained breathing apparatus, or a supplied air respirator as necessary to control exposure.

Skin Protection: Wear impervious gloves and protective clothing as necessary to prevent skin contact.

Eye Protection: Wear chemical splash goggles or safety glasses with side shields.

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance:	Cloudy - white liquid
Odor:	Mild hydrocarbon odor
Boiling Point:	>300 °C
Specific Gravity:	0.90
Vapor Pressure:	Not established
Vapor Density:	Not applicable
Evaporation Rate:	Not applicable
Solubility in Water:	Negligible

10. STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions and use.
Conditions and material to Avoid:	Heat, open flame, prolonged storage at elevated temperatures. Avoid contact with acids and strong oxidizing agents
Hazardous Combustion or Decomposition Products:	Small quantities of butadiene, along with oxides of carbon.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

This section provides toxicological information with regard to the pure form of the components indicated. This information can be subject to misinterpretation. It is therefore suggested that persons trained in its evaluation interpret this information.

Hydroxy terminated 1,3-Butadiene Homopolymer:

Moderately irritating to the eyes and skin. No effects of chronic exposure are known. Not considered carcinogenic by IARC or NTP.

Note: Due to this product's physical composition, the release or generation of dust is not expected to occur under normal conditions of use.

13. DISPOSAL CONSIDERATIONS

Disposal must be made in accordance with applicable governmental regulations.

14. TRANSPORT INFORMATION

D.O.T. Classification: Not Regulated

Hazard Class: None **UN #:** None **PG:** None **ERG #:** None **Hazard Labels:** None

I.A.T.A. Classification: Not Regulated

Hazard Class: None **UN #:** None **PG:** None **ERG #:** None **Hazard Labels:** None

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA:

The chemical components of this product are contained on section 8(B) of the chemical substance inventory list (40CFR710).

"IMPORTANT: This product (which contains polybutadiene resin) and technical data related to this product are export controlled by the U.S. Government. Exportation/international shipments of this product are subject to licensing by the U.S. Government. Export, reexport or other diversion, either in the original product form or after being incorporated in an intermediate process into other end items is STRICTLY PROHIBITED unless expressly authorized by the cognizant agency of the U.S. Government. If you plan to export this product in any form please contact Henkel Loctite Health & Regulatory Affairs for additional information."

SARA Title III Information

Section 313 - Toxic Chemicals:

Pursuant to section 313 of SARA Title III, this product contains the following chemicals subject to reporting requirements:
None.

Section 311 / 312 - Hazard Categories

Pursuant to section 311/312 of SARA title III, the physical and health hazard categories for this product are identified as follows:

Immediate (Acute) Health Hazard:	Yes	Fire Hazard:	No
Delayed (Chronic) Health Hazard:	No	Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No		

STATE REGULATIONS / RIGHT TO KNOW

California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer or other reproductive harm: 1,3-Butadiene; CAS No.: 106-99-0

Pennsylvania: All of the materials in this product requiring identification by the Commonwealth of Pennsylvania are listed in section 2. Some of these materials may have been placed on the Commonwealth of Pennsylvania hazardous substance list.

16. OTHER INFORMATION

HMIS Hazards: Health: 2 Flammability: 1 Reactivity: 0

NFPA Hazards: Health: 2 Flammability: 1 Reactivity: 0

This information is intended solely for the use of individuals trained in the use of this particular system.

Aquabond, LLC urges each customer or recipient of this MSDS to study it carefully in order to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals that are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate in order to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: 1 - notify its employees, agents, contractors, and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards or safety. 2 - furnish this same information to each of its customers for the product. 3 - request its customers to notify their employees, customers, and other users of the product of this information.

The information contained herein is based on the data available to us and is believed to be correct. However, Aquabond, LLC makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Aquabond, LLC assumes no responsibility for injury from the use of the product described herein.