



MATERIAL SAFETY DATA SHEET

Section 1. Product and Company Identification

Product Name:	EzFlow Bond It	DATE:	2/10/2011
Formula:	30-0090	REV.	01
Item#:	60259		

Manufacturer: American International Industries
2220 Gaspar Ave
Los Angeles, CA 90040
Chem-Tel: (800) 255-3924

Section 2. Composition / Information on Ingredients

Hazardous Ingredients:

Component	CAS #	%	Exposure Limits ppm
Ethyl Acetate	141-86-4	>75%	ACGIH TVL: 400 ACGIH STEL: NE OSHA PEL: 400 OSHA STEL: NE
HEMA Maleate	51978-15-5	5 - 15%	ACGIH: NE OSHA: NE
HEMA	868-77-9	5 - 15%	ACGIH TVL: 10 ACGIH STEL: NA OSHA PEL: 10 OSHA STEL: NA
Butyl Acetate	123-86-4	0.1 - 5%	ACGIH-TWA: 100ppm OSHA-PEL: 150ppm

Section 3. Hazardous Identification

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry: Inhalation, Absorption, Ingestion

Skin & Eyes: Mildly to moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.

Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.

Inhalation: Vapors of this product may be slightly irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of vapors exceeding the levels listed in Section 2 (Composition & Ingredient Information) can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea).



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Symptoms of Overexposure: Symptoms of skin overexposure in some sensitive individuals may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering.

Acute Health Effects: Mild to moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.

Chronic Health Effects: None known.

Target Organs: Eyes, skin & respiratory system

Section 4. First Aid Measures

First Aid for Eye: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If irritation occurs, contact a physician.

First Aid for Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. Do not wear contaminated clothing until after it has been properly cleaned. If irritation, redness or swelling persists, contact a physician immediately.

First Aid for Inhalation: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.

First Aid for Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.

Medical Conditions Aggravated by Exposure: None Known

Section 5. Fire Fighting Measures

Flash Point (°F/°C): -3°C (26°F) TCC

Flammable Limit (vol%): LEL: 2.2%
UEL: 11.4%

Auto-ignition Temp. (vol%): Not determined

Extinguisher Media: CO2, Halon, Dry Chemical, Foam



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**Firefighting
Procedures:**

This product is a Class IB flammable liquid. When involved in a fire, this product will ignite readily and decompose to produce carbon oxides. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container.

First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.

Health: 1; Flammability: 3; Reactivity: 1; Protective Equipment: A

Section 6. Accidental Release Measures

Spills:

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., <1 gallon wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

Section 7. Handling and Storage

**Work & Hygiene
Practices:**

Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap & water. Do not eat, drink or smoke while handling product.

Storage & Handling:

Keep this material away from heat, sparks and open flame. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat.

Special Precautions:

Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.

Section 8. Exposure Controls / Personal Protective Equipment



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Ventilation & Engineering Controls:	Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap & water. Do not eat, drink or smoke while handling product.
Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR 1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.
Eye Protection:	Avoid eye contact. None required under normal conditions of use. However, may cause irritation in some sensitive individuals. When handling large quantities (e.g., more than 1 gallon), safety glasses with side shields should be used.
Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g. more than 1 gallon), wear rubber or impervious plastic gloves.
Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g. more than 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.

Section 9. Physical and Chemical Properties

Appearance @ 25°C:	Clear liquid	Viscosity (RVT):	Not applicable
Odor @ 25°C:	Fragrant, fruity odor	Vapor Pressure:	Not available
pH	Not available	Vapor Density:	Not applicable
Density:	0.902	Evaporation Rate:	Not available
Ignition:	Not applicable	Molecular weight:	Not available
Melting Point:	Not available		
Boiling Point:	172°F		
Solubility in Water	Slightly miscible with water		

Section 10. Stability and Reactivity

Stability:	Stable under ambient conditions when stored properly.
Hazardous Decomposition Products:	If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide gases (e.g., CO, CO ₂)
Hazardous Polymerization:	May occur, if exposed to extremely high temperatures.



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Conditions to Avoid: None reported.

Incompatible Substances: This product is incompatible with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), strong bases (e.g., lye, potassium hydroxide).

Section 11. Toxicological Information

Toxicity Data: This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.

Acute Toxicity: See Section 3.5

Chronic Toxicity: See Section 3.6

Suspected Carcinogen: No

Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.

Mutagenicity: This product is not reported to produce mutagenic effects in humans.

Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.

Teratogenicity: This product is not reported to cause teratogenic effects in humans.

Reproductive Toxicity: This product is not reported to cause reproductive effects in humans.

Irritancy of Product: See Section 3.3

Biological Exposure Indices: None established.

Physician Recommendations: Treat symptomatically.

Section 12. Ecological Information

Environmental Stability:

The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows:

Ethyl Acetate: KOC=0.73. Water solubility: 64,000 mg/l. Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization, and biodegradation. This compound's half-life in water is 6.1 hours.

Effects on Plants & Animals: There are no specific data available for this product.



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Effects on Aquatic Life: There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

Section 13. Disposable Considerations

Waste disposal must be in accordance with appropriate Federal, state, and local regulations.

U.S. EPA Waste Number: D001 (characteristic - ignitable)

Section 14. Transportation Information

<DOT Information> (49 CFR 172)

Proper Shipping Name:

Flammable liquids, n.o.s., (Ethyl Acetate, Butyl Acetate), 3,
UN1993, PGII

Section 15. Regulatory Information

SARA Reporting Requirements: SARA 304 (40 CFR Table 302.4) - Ethyl Acetate

SARA Threshold Planning Quantity: There are no specific Threshold Planning Quantities for the components of this product.

TSCA Inventory Status: The components of this product are listed on the TSCA inventory.

CERCLA Reportable Quantity (RQ): Ethyl Acetate - 5000 lbs

Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics)

Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. All components of this product, except Methacryloyloxyethyl Maleate (Cas No. 51978-15-5), are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. Class B2 Flammable Liquid.

State Regulatory Information: Ethyl Acetate is covered under specific state criteria. No component of this product is listed on the California Proposition 65 list.



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67/548/EEC
(European Union)
Requirements:

The primary component of this product is listed in Annex I of EU Directive 67/548/EEC:
Ethyl Acetate: Flammable (F). R: 11-36/37/38 - Highly flammable. Irritating to eyes, respiratory system and skin. S: 2-16-23-29-33 - Keep out of the reach of children. Deep away from sources of ignition - No smoking. Do not breathe gas, fumes, vapor or spray. Do not empty into drains. Take precautionary measures against static discharges.

Section 16. Other Information

Keep out of reach of children. Do not take internally. Keep away from heat and open flame.

HMIS Rating

Health:	1
Flammability:	3
Reactivity:	1