

**MATERIAL SAFETY DATA SHEET**

March 2008

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** INSTAbond® 146 Anaerobic Sealing Compound  
per ASTM D5363 AN0221 & MIL-S-46163, Type I, Grade K

**Company:** ACCRABond Inc.  
8848 Hacks Cross Road  
Olive Branch, MS 38654

**Emergency Phone Numbers:** ACCRABond Inc. (662) 895-4480  
CHEMTREC (800) 424-9300

**SECTION 2 – INFORMATION ON COMPONENTS**

Chemical Name	CAS Number	Weight %	ACGIH TLV	ACGIH STEL	OSHA PEL-TWA	SKIN
Polyglycol Dimethacrylate	25852-47-5	60 – 80	N/E	N/E	N/E	Yes
Bisphenol A Fumarate Resin	39382-25-7	10 – 20	N/E	N/E	N/E	No
Acrylic Copolymer	96-33-3	5 – 15	N/E	N/E	N/E	No
Modified Sodium Sulfimide	Trade Secret	1 – 3	N/E	N/E	N/E	Yes
Cumene Hydroperoxide	80-15-9	< 1.0	50 ppm	N/E	N/E	Yes
p-Methoxyphenol	150-76-5	< 1.0	375 ppm	N/E	N/E	Yes

**SECTION 3 – HAZARDS IDENTIFICATION**

**INGESTION:** May be moderately toxic.

**SKIN:** May cause moderate skin injury (reddening, swelling) and/or sensitization which may not occur immediately. Prolonged contact with this product may cause burns.

**INHALATION:** Even though product has low volatility, vapors can be irritating.

**EYES:** Will cause eye irritation and possible eye injury.

**TARGET ORGANS:** None known.

**HMIS RATING:** Health – 2      Flammability – 1      Reactivity – 1

**SECTION 4 – FIRST AID MEASURES**

**INGESTION:** Do not induce vomiting. Have victim rinse out mouth with water, then drink sips of water to remove taste from mouth. Get medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SKIN:	Remove contaminated clothing and wash contact area with soap and water for 15 minutes. If dermatitis occurs, seek medical attention.
INHALATION:	In case of exposure to high concentration of vapors, remove person to fresh air. If respiratory irritation persists, seek medical attention.
EYES:	Immediately flush with plenty of water (under eye lids) at least 15 minutes. If redness, burning, blurred vision or swelling persists, consult a physician immediately.

#### **SECTION 5 – FIRE FIGHTING MEASURES**

FLASHPOINT:	> 200 deg F (Setaflash)
EXTINGUISHING MEDIA:	Use water fog, foam, dry chemical or carbon dioxide to extinguish flames.
SPECIAL FIRE FIGHTING MEASURES:	Firefighters should wear full protective clothing and self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment and fire fighting apparel after the incident.

#### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

ACCIDENTAL RELEASE MEASURES:	In the event of a spill, immediately remove any source of ignition. Using appropriate personal protective equipment and non-sparking tools, contain spilled material. Cover the liquid with inert absorbent. Scoop all contaminated material into containers for proper disposal.
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#### **SECTION 7 – HANDLING AND STORAGE**

HANDLING AND STORAGE:	Store below 100 deg F for maximum stability. Do not store in direct sunlight or near high heat sources. To prevent loss of inhibitor, do not blanket or sparge with nitrogen. Store samples in original packaging. If product has solidified, do not attempt to use. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean hands or skin because they increase the penetration of the material into the skin.
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#### **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

VENTILATION:	Good air circulation and ventilation is adequate.
RESPIRATORY PROTECTION:	A respirator protection program that meets OSHA 1910.134 must be followed whenever workplace conditions warrant the use of a respirator.
SKIN PROTECTION:	Butyl or nitrile gloves should be used along with appropriate clothing.
EYE PROTECTION:	Chemical splash safety eyewear is always recommended.

<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>
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APPEARANCE:	Red, viscous liquid
ODOR:	Sweet, ester
SPECIFIC GRAVITY:	1.05 – 1.10
SOLUBILITY IN WATER:	Insoluble
VAPOR PRESSURE:	N/A
VOLATILE ORGANIC CONTENT:	<0.10 lbs/gal

<b>SECTION 10 – STABILITY AND REACTIVITY</b>
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STABILITY:	This product is stable under normal conditions.
HAZARDOUS POLYMERIZATION:	Hazardous polymerization may occur. Uncontrolled polymerization may cause rapid evolution of heat and increase in pressure that could result in violent rupture of sealed containers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Hazardous decomposition products may include oxides of carbon and nitrogen, hydrocarbon fragments and organic decomposition fragments.
INCOMPATIBILITY:	Free radical initiators, including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron-containing constituents, and strong bases.
CONDITIONS TO AVOID:	Storage above 100 deg F, exposure to direct sunlight or other UV sources, loss of dissolved air or polymerization inhibitor, contamination with incompatible materials.

<b>SECTION 11 – TOXICOLOGY INFORMATION</b>
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Chemical Name	LD50	LC50
Polyglycol Dimethacrylate	4920 mg/kg (oral rat)	N/A
Cumene Hydroperoxide	500 mg/kg (drem rabbit)	700 ppm (inh rat)

<b>SECTION 12 – ECOLOGICAL INFORMATION</b>
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ECOLOGICAL INFORMATION:	Keep product from entering waterways.
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<b>SECTION 13 – DISPOSAL INFORMATION</b>
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DISPOSAL INFORMATION:	Dispose of in accordance with federal, state and local regulations.
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**SECTION 14 – TRANSPORTATION INFORMATION**

UN OR ID NUMBER:	Not Listed.
PROPER SHIPPING NAME:	Not Regulated.
ITA:	Not Regulated.
HAZARD CLASS/DIVISION:	Not Regulated.
GROUND TRANSPORTATION:	Not Regulated.
DOT:	49 CFR Part 172

**SECTION 15 – REGULATORY INFORMATION**

SARA TITLE 313:	Cumene Hydroperoxide (80-15-9).
TSCA 12 (B):	No substances found that require reporting.
CERCA-SARA HAZARD CATEGORY:	As defined, this material is considered a chronic health hazard and a reaction hazard.
CALIF PROPOSITION 65:	This product contains saccharin which is known to cause cancer in laboratory animals. If the material is used as intended, there is no requirement for Proposition 65 hazard warning.

**SECTION 16 - OTHER**

To the best of our knowledge, the information contained herein is accurate. However, no liability whatsoever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any materials is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.