

MATERIAL SAFETY DATA SHEET

March 2008

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: INSTAbond® 405 Anaerobic Sealing Compound per ASTM D5363 AN0124 & Mil-S-22473, Grade AVV

Company: ACCRAbond Inc. **Distributed by: Moreau Marketing**
485 Glenn Link Road
Lexington NC 27295
336-764-5232 Fax: 336-764-0941
www.Rmoreau.com

Emergency Phone Numbers: CHEMTREC (800) 424-9300

SECTION 2 – INFORMATION ON COMPONENTS

Chemical Name	CAS Number	Weight %	ACGIH TLV	ACGIH STEL	OSHA PEL-TWA	SKIN
Methacrylated Polyol	25852-47-5	75 - 85	N/E	N/E	N/E	Yes
Dialkyl Ester	Proprietary	10 - 20	N/E	N/E	N/E	No
Acrylic Copolymer	96-33-3	5 - 15	N/E	N/E	N/E	No
Sodium Sulfimide	81-07-2	0.1 – 1.0	N/E	N/E	N/E	No
Cumene Hydroperoxide	80-15-9	0.1 – 1.0	50 ppm	N/E	N/E	Yes
Methoxyphenol	150-76-5	0.1 – 1.0	375 ppm	N/E	N/E	Yes

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May cause skin and respiratory irritations.

INGESTION: This product may be moderately toxic.

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

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

EYES: This product may cause eye injury.

TARGET ORGANS: None known.

ROUTES OF EXPOSURE: Skin and eye contact, inhalation and ingestion.

HMS RATING: Health – 2 Flammability – 1 Reactivity – 1

SECTION 4 – FIRST AID MEASURES

INGESTION:	If swallowed, seek medical attention.
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. Get medical attention immediately.

SECTION 5 – FIRE FIGHTING MEASURES

FLASHPOINT:	>200° F (Setaflash)
EXTINGUISHING MEDIA:	Use carbon dioxide or dry chemical for small fires; aqueous foam or water spray for large fires.
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 at temperatures below 100° F. Avoid ignition sources. Keep unused containers closed. Dissolved air is required for inhibitor to function. To prevent loss of inhibitor, do not blanket or sparge with nitrogen. Store samples in original containers. If product has gelled or solidified, do not attempt to use unless otherwise directed. Remove contaminated clothing immediately, and wash thoroughly before reuse. 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. Store out of direct sunlight.
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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:	Impervious gloves and appropriate clothing are recommended.
EYE PROTECTION:	Chemical splash safety eyewear is recommended.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Red, viscous liquid
ODOR:	Mild odor
SPECIFIC GRAVITY:	1.1
SOLUBILITY IN WATER:	Practically insoluble
VAPOR PRESSURE:	Negligible
VOLATILE ORGANIC CONTENT:	<0.10 lbs/gal

SECTION 10 – STABILITY AND REACTIVITY
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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:	Polymerization initiators, including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, and strong bases.
CONDITIONS TO AVOID:	Storage >100F, exposure to direct sunlight, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

SECTION 11 – TOXICOLOGY INFORMATION
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Chemical Name	LD50	LC50
Sodium Sulfimide	Orl rat 1.42g/kg	N/A
Cumene Hydroperoxide	Drem rbt 500 mg/kg	Inh rat 700 ppm

SECTION 12 – ECOLOGICAL INFORMATION
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ECOLOGICAL INFORMATION:	Keep product from entering waterways.
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SECTION 13 – DISPOSAL INFORMATION
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DISPOSAL INFORMATION:	Dispose of in accordance with federal, state and local regulations.
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