#### **MATERIAL SAFETY DATA SHEET**

March 2008

#### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

INSTAbond® 405 Anaerobic Sealing Compound per **Product Name:** 

ASTM D5363 AN0124 & Mil-S-22473, Grade AVV

Distributed by: Moreau Marketing Company: ACCRAbond Inc.

485 Glenn Link Road

Lexington NC 27295

. 336-764-5232 Fax: 336-764-0941

www.Rmoreau.com

**Emergency Phone Numbers:** (800) 424-9300 CHEMTREC

## **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.

HMIS 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)

EXTINQUISHING 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.

## **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.

### 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**

STABILITY: This product is stable under normal conditions.

Hazardous polymerization may occur. Uncontrolled polymerization **HAZARDOUS** may cause rapid evolution of heat and increase in pressure that could POLYMERIZATION:

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

LD50 LC50 **Chemical Name** 

Sodium Sulfimide Orl rat 1.42g/kg N/A

Cumene Hydroperoxide Drem rbt 500 mg/kg Inh rat 700 ppm

# SECTION 12 - ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** Keep product from entering waterways.

# **SECTION 13 – DISPOSAL INFORMATION**

**DISPOSAL INFORMATION:** Dispose of in accordance with federal, state and local

regulations.

#### **SECTION 14 – TRANSPORTATION INFORMATION**

DOT (49 CFR 172)

GROÙND TRANSPORT:

SHIPPING NAME:

TECHNICAL NAME:

Not Regulated
Not Regulated

HAZARD CLASS/DIVISION: N/A
IDENTIFICATION NUMBER: N/A
MARINE POLLUTANT: None

ITA: Not Regulated PROPER SHIPPING NAME: Not Regulated UN or ID NUMBER Unrestricted

### **SECTION 15 – REGULATORY INFORMATION**

CALIFORNIA This product contains saccharin which is known to cause PROPOSITION 65: cancer in laboratory animals. If the material is used as

intended, there is no requirement for Proposition 65 hazard

warning.

OSHA: 29 CFR 1910.1200

CERCA-SARA HAZARD As defined, this material is considered a chronic health hazard

CATEGORY: and a reaction hazard.

SARA SECTION 313: This product contains the following substance which requires

reporting:

Cumene Hydroperoxide CAS# 80-15-9

TSCA 12 (B): No substances found that require reporting.

## **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 can not guarantee that these are the only hazards that exist.