



## MATERIAL SAFETY DATA SHEET

IRON STONE Acrylic Seal

MSDS Ref. No: 4006  
Date Prepared: 04/21/2003  
Date Revised: 04/21/2003

### 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME/USE: IRON STONE Acrylic Seal

MSDS CODE: 2922658, 3680

PRODUCT CODE: 4006110, 4006520, 4006550

#### MANUFACTURER

The Butcher Company  
67 Forest Street  
Marlborough, MA 01752-3012

Butcher Telephone Number: 800-225-9475  
Emergency Telephone (24 hours): 800-228-5635  
CHEMTREC (U.S./Can.): 800-424-9300  
CHEMTREC (Int'l): +1 703-527-3887

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>
Diethylene glycol methyl ether	111-77-3	3 - 5
Dibutyl phthalate	84-74-2	0.25 - 1.0
Ammonia	7664-41-7	< 0.1

See Section 8 for Exposure Limits NA - Not Applicable

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.

WHMIS CLASS: Class D-Division 2A

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Slightly Opaque, White Liquid . Mild, Ammonia Odor. Product Does Not Present a Significant Immediate Concern for Emergency Response Personnel.

#### POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(S) OF EXPOSURE:  Eye       Skin Contact       Skin Absorption  
 Inhalation       Ingestion

#### EFFECTS OF ACUTE EXPOSURE

**EYES:** Non-irritating to the eyes, but may cause temporary redness or discomfort.

**SKIN:** Non-irritating to the skin.

**INHALATION:** High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing.

**INGESTION:** May cause mild mouth, throat and stomach irritation. Symptoms may include nausea.

**EFFECTS OF CHRONIC EXPOSURE:** Prolonged or repeated contact may cause skin irritation.

**MEDICAL CONDITIONS AGGRAVATED:** None known.

#### 4. FIRST AID MEASURES

**EYES:** Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention if irritation develops.

**SKIN:** Flush with water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops.

**INHALATION:** Remove to fresh air. Get medical attention if symptoms persist.

**INGESTION:** Do not induce vomiting. Drink large quantities of water. Get medical attention.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD:** > 93°C (200°F)TCC

**FLAMMABLE LIMITS:** Not applicable.

**AUTOIGNITION TEMPERATURE:** Not applicable.

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** Normal products of combustion (carbon monoxide and carbon dioxide).

**FIRE AND EXPLOSION HAZARDS:** None known.

**FIRE FIGHTING INSTRUCTIONS:** This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

#### 6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Contain and isolate spill. Prevent from entering sewers and waterways. Keep non-essential personnel from entering spill area. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

#### 7. HANDLING AND STORAGE

**HANDLING:** Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling. Remove contaminated clothing. Wash clothing and equipment before reuse.

**STORAGE:** Keep container closed when not in use. Keep from freezing.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**EYE:** Not required under normal conditions of use.

**SKIN:** Where prolonged or repeated contact is possible, chemical-resistant clothing (e.g., gloves) is recommended.

**RESPIRATORY:** No respiratory protection is required if ventilation is adequate.

**ENGINEERING CONTROLS:** Good general room ventilation is expected to be adequate. Local exhaust ventilation (e.g., fans) may be necessary when general ventilation does not keep airborne concentrations below exposure limits.

**EXPOSURE LIMITS:**

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Diethylene glycol methyl ether	NA	NA
Dibutyl phthalate	5 mg/m3	5 mg/m3
Ammonia	50 ppm 35 mg/m3 / 35 ppm 27 mg/m3	25 ppm 17 mg/m3 / 35 ppm 24 mg/m3

NA - Not Available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid  
**ODOR:** Mild, Ammonia  
**APPEARANCE:** Slightly Opaque, White  
**pH:** 8.8 to 9.2  
**PERCENT VOLATILE BY WEIGHT:** 83  
**VAPOR PRESSURE:** Not Available  
**VAPOR DENSITY:** Not Available  
**BOILING POINT:** Not Available  
**FREEZING/MELTING POINT:** Not Available  
**SOLUBILITY IN WATER:** Dispersible  
**EVAPORATION RATE:** Not Available  
**SPECIFIC GRAVITY:** 1.03  
**VISCOSITY:** Water Thin  
**OCTANOL/WATER PARTITION COEFFICIENT:** Not Available  
**ODOR THRESHOLD:** Not Available

**10. STABILITY AND REACTIVITY**

**STABILITY (CONDITIONS TO AVOID):** Stable.  
**POLYMERIZATION:** Will not occur.  
**HAZARDOUS DECOMPOSITION:** None.  
**INCOMPATIBLE MATERIALS:** None known.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE DATA:** This product was found to be non-irritating to eyes and skin. Acute overexposure to high concentrations of diethylene glycol methyl ether by ingestion has caused thymus effects in laboratory animals. The following additional data are available for product ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
Diethylene glycol methyl ether	5500 - mg/kg	6540 - mg/kg	200 - mg/L (1-hr)
Dibutyl phthalate	8000 - mg/kg	>20000 - mg/kg	17680 - mg/m3 (4-hr)
Ammonia	350 - mg/kg	Not Available	3670 - ppm (4-hr)

**SENSITIZATION DATA:** No data available.

**CHRONIC DATA:**

Prolonged overexposure to diethylene glycol methyl ether by ingestion has caused liver, kidney, thymus and testes effects in laboratory animals; prolonged overexposure by dermal absorption has also caused liver and spleen effects in laboratory animals.

**REPRODUCTIVE/TERATOGENIC DATA:** Prolonged dermal exposure to diethylene glycol methyl ether has caused slight fetotoxicity (delayed development) in laboratory animals; prolonged overexposure by ingestion has caused teratogenic effects in laboratory animals. Prolonged overexposure to dibutyl phthalate by ingestion has caused reproductive and teratogenic effects in laboratory animals.

**CARCINOGENIC/MUTAGENIC DATA:** Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

**SYNERGISTIC MATERIALS:** No data available.

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATIONS**

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

**14. TRANSPORT INFORMATION**

**DOT/TDG HAZARDOUS MATERIAL DESCRIPTION:** Not regulated

**15. REGULATORY INFORMATION**

*Not meant to be all-inclusive---selected regulations represented.*

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Under 40 CFR 370.2, this product meets the following hazard category: Delayed.

**313 REPORTABLE INGREDIENTS:** Diethylene glycol methyl ether is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 under the chemical category Glycol Ethers.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** This product contains dibutyl phthalate. If 120 gallons of total product are released, notification to the National Response Center (1-800-424-8802) is required.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** This product complies with all TSCA inventory requirements.

**MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA RIGHT-TO-KNOW:**

**INGREDIENT(S)**

Water  
 Acrylic polymer  
 Diethylene glycol methyl ether  
 NJ Trade Secret Registry #11173400-5066P  
 Tributoxethyl phosphate

**CAS NO. STATE LISTING**

7732-18-5 Not Listed  
 NA Not Listed  
 111-77-3 MA, PA  
 NA Not Listed  
 78-51-3 Not Listed

NA - Not Applicable

**CANADA**

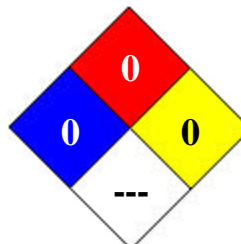
**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Class D-Division 2A; reproductive and teratogenic effects. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

**HMIS RATING**

<b>HEALTH</b>	*	<b>0</b>
<b>FLAMMABILITY</b>		<b>0</b>
<b>REACTIVITY</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>	-	

**NFPA CODES:**



**APPROVED BY:** Product Safety & Regulatory

**MSDS STATUS**

**Revision No:** 4

Revision #: 4

This MSDS replaces the October 23, 2002 MSDS. Any changes in information are as follows:

**APPROVAL DATE:** 04/21/2003

*The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.*