

# SAFETY DATA SHEET

Developmental Product



Date Prepared : 10/11/2016

SDS No : XP2016-047B

## XP2016-047 Curative Part B

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** XP2016-047 Curative Part B  
**PRODUCT DESCRIPTION:** Polyurethane Casting System

#### MANUFACTURER

BCC Products/Blehm Plastics  
2140 Earlywood Drive  
P.O. Box 327  
Franklin, IN 46131  
**Customer Service:** (317) 736-4090

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

FOR CHEMICAL EMERGENCY CALL CHEMTREC (24 HOURS)  
1-800-424-9300 (U.S., Canada, Puerto Rico, Virgin Islands) 1-703-527-3887 (Outside above area, collect calls accepted)

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Acute Toxicity (Oral), Category 4  
Skin Sensitization, Category 1

##### Environmental:

Acute Hazards to the Aquatic Environment, Category 1  
Chronic Hazards to the Aquatic Environment, Category 1

#### GHS LABEL



Exclamation mark Environment

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H302 + H312: Harmful if swallowed or in contact with skin.  
H317: May cause an allergic skin reaction.  
H410: Very toxic to aquatic life with long lasting effects.

#### PRECAUTIONARY STATEMENTS

##### Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273: Avoid release to the environment.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P270: Do not eat, drink or smoke when using this product.  
P264: Wash ... thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

918905LN: P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell. Rinse mouth.  
95162DA1: P302 + P352 + P312 IF ON SKIN: Wash with plenty of water/...Call a POISON CENTER/doctor/...if you feel unwell.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

**Disposal:**

3809OZT8: P501: Dispose of contents/container in accordance with local, regional, national and/or international regulations.

**CARCINOGENICITY:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine	20 - 30	106264-79-3
Proprietary non-hazardous polyol blend	60 - 70	
Proprietary non-hazardous catalyst blend	0.5 - 1	

### 4. FIRST AID MEASURES

**EYES:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**SKIN:** Remove material from skin immediately by washing with non-abrasive soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watch bands. Suitable emergency safety shower facility should be immediately available.

**INGESTION:** Do NOT induce vomiting. never give anything by mouth to an unconscious person. Rinse mouth with water. Obtain medical attention.

**INHALATION:** If symptomatic move to fresh air. Get medical attention if symptoms persist.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Irritation.

**SKIN:** Irritation.

### 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** Unsuitable extinguishing media: Water jet spray

**EXTINGUISHING MEDIA:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**HAZARDOUS COMBUSTION PRODUCTS:** May include but are not limited to: carbon monoxide, carbon dioxide, nitrogen oxides and other products of incomplete combustion.

**EXPLOSION HAZARDS:** No

**FIRE FIGHTING PROCEDURES:** Use protective fire fighting clothing and positive pressure self-contained breathing apparatus to protect against potential harmful and/or irritating fumes. Assure adequate protection for skin and eyes. Do not breathe combustion products. Prevent run-off from entering sewers or waterways. Do not use high pressure water jet as this may spread the fire.

**FIRE FIGHTING EQUIPMENT:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None Expected.

## 6. ACCIDENTAL RELEASE MEASURES

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**SMALL SPILL:** Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section).

**LARGE SPILL:** If possible, stop flow of product. Construct dike to prevent spreading. Place in appropriate chemical waste container and dispose of in accordance with all local, state and federal regulations.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LAND SPILL:** Prevent spills from breaching containment.

**AIR SPILL:** Avoid release to the environment.

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## 7. HANDLING AND STORAGE

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**GENERAL PROCEDURES:** Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation. Keep container tightly closed.

**HANDLING:** Use in an area equipped with safety shower. Ensure that eyewash stations and safety showers are close to the work location. Ensure adequate ventilation. Do not breathe vapor/dust. Avoid contact with skin, eyes and clothing. Avoid repeat exposure.

**STORAGE:** Store in a cool, dry place with adequate ventilation

**STORAGE TEMPERATURE:** Store between 50F to 90F to protect product quality.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety goggles. Wear a face shield or full-face respiratory protection when necessary to prevent eye and inhalation exposures.

**SKIN:** Wear chemical protective gloves, coveralls, boots and/or other resistant protective clothing to prevent skin exposure. Evaluate resistance under conditions of use and maintain protective clothing carefully.

**RESPIRATORY:** In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**WORK HYGIENIC PRACTICES:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**ODOR:** Mercaptan-like

**APPEARANCE:** Liquid

**COLOR:** Amber

**PHYSICAL STATE COMMENTS:** Liquid

**pH:** Not Available

**FLASH POINT AND METHOD:** No data available.

**FLAMMABLE LIMITS:** 0 to 0

**AUTOIGNITION TEMPERATURE:** No data available.

**VAPOR PRESSURE:** No data available

**VAPOR DENSITY:** No data available.

**BOILING POINT:** No data available.

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**THERMAL DECOMPOSITION:** No data available.  
**DENSITY:** 8.5 lbs/gallon at 23°C (75°F)  
**SPECIFIC GRAVITY:** 1 to 1.2  
**VISCOSITY #1:** 300 to 350 cP at 23°C (75°F) Brookfield RVF  
**(VOC):** 6

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## 10. STABILITY AND REACTIVITY

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**REACTIVITY:** This product is chemically stable.  
No hazardous reactions if stored and handled as prescribed/indicated.  
**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.  
**STABILITY:** Stable at room temperature in closed containers under normal storage and handling conditions.  
**CONDITIONS TO AVOID:** Extremes of temperature and direct sunlight.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrocarbons. Carbon Dioxide (CO<sub>2</sub>). Carbon Monoxide.  
**INCOMPATIBLE MATERIALS:** None known.

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## 11. TOXICOLOGICAL INFORMATION

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### ACUTE TOXICITY

**DERMAL LD<sub>50</sub>:** > 2000 Rabbit; mg/kg  
**Notes:** 6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine  
**ORAL LD<sub>50</sub>:** 1515 rat; mg/kg  
**Notes:** 6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine

**SKIN CORROSION/IRRITATION:** None known.

**SERIOUS EYE DAMAGE/IRRITATION:** None known.

**RESPIRATORY OR SKIN SENSITISATION:** No

**GERM CELL MUTAGENICITY:** CMR effects - Mutagenicity: In vitro tests showed mutagenic effects (diethylmethylbenzenediamine)

### CARCINOGENICITY

**IARC:** No Individual component is listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65  
**NTP:** No

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**REPRODUCTIVE TOXICITY:** No data available.

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## 12. ECOLOGICAL INFORMATION

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**ENVIRONMENTAL DATA:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**BIOACCUMULATION/ACCUMULATION:** Not Available

### AQUATIC TOXICITY (ACUTE)

**96-HOUR LC<sub>50</sub>:** 16.9 mg/L fish  
**48-HOUR EC<sub>50</sub>:** 0.9 Daphnia magna, mg/L (24-hr)

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## 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHOD:** Incinerate or otherwise dispose of in compliance with all applicable federal, state and local environmental control laws and regulations.

**EMPTY CONTAINER:** Containers should be drained of all residual product prior to disposal. Follow all Federal, State and Local laws/regulations.

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#### 14. TRANSPORT INFORMATION

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##### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Environmentally Hazardous Substance, liquid n.o.s. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

**PRIMARY HAZARD CLASS/DIVISION:** 9

**UN/NA NUMBER:** 3082

**PACKING GROUP:** III

**MARINE POLLUTANT #1:** Yes

##### AIR (ICAO/IATA)

**SHIPPING NAME:** Environmentally Hazardous Substance, Liquid, n.o.s. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine).  
Marine pollutant

**UN/NA NUMBER:** 3082

**PRIMARY HAZARD CLASS/DIVISION:** 9

**PACKING GROUP:** III

##### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Environmentally Hazardous Substance, Liquid, n.o.s. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine).  
Marine pollutant

**UN/NA NUMBER:** 3082

**PRIMARY HAZARD CLASS/DIVISION:** 9

**PACKING GROUP:** III

**EmS:** F-A, S-F

**MARINE POLLUTANT #1:** Yes

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#### 15. REGULATORY INFORMATION

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##### UNITED STATES

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

**311/312 HAZARD CATEGORIES:** Acute health hazard, Chronic health hazard.

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** No reportable components

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

**CERCLA RQ:** No ingredients listed.

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** All chemical components of this product are in compliance with TSCA inventory requirements.

##### REGULATIONS

**STATE REGULATIONS:** This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

##### CANADA

**DOMESTIC SUBSTANCE LIST (INVENTORY):** Yes

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#### 16. OTHER INFORMATION

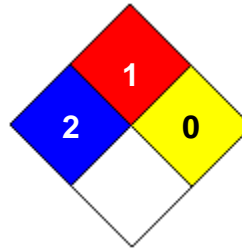
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**Date Prepared:** 10/11/2016

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>2</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	

**NFPA CODES**



**NFPA STORAGE CLASSIFICATION:** Health: 2 Flammability: 1 Physical Hazards: 0

**COMMENTS:** This Safety Data Sheet contains updates made in accordance with the implementation of GHS requirements

**MANUFACTURER DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BCC Products shall not be held liable for any damage resulting from handling or from contact with the above product.