

MATERIAL SAFETY DATA SHEET

ULTRABOND 400 PART B

SECTION 01: PRODUCT IDENTIFICATION

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| Product Identifier: | Curing Agent for Ultrabond 400 Two Component Epoxy Concrete Sealer |
| WHMIS Classification: | B2, D2A, D2B |
| Product Use: | Two Component Epoxy Cure and Seal |
| Manufacturer's Name: | Concretech Inc., #106, 2567- 192 Street, Surrey, BC, V3S 3X1, Canada, |
| Supplier's Name | Concretech Inc., #106, 2567- 192 Street, Surrey, BC, V3S 3X1, Canada, |
| Preparation Date of MSDS: | September 27 th , 2000 |
| Revision Date of MSDS: | April 13 th , 2011 |
| MSDS Prepared By: | Farhad Kazemian |
| Phone Number of Preparer: | 1 604 210 1147 |
| Emergency Phone Number | 1 888 503 6780 |

SECTION 02: HAZARDOUS INGREDIENTS

| Ingredients: | Max. Weight % | CAS# | LD/50 | TLV | Comments |
|-----------------------|----------------------|-------------|----------------------|------------|-----------------|
| Benzyl Alcohol | 22 | 100-51-6 | See Section 11 | NA | TWA 10 ppm |
| Cycloaliphatic Amines | 14 | Mixture | >1.0 g/kg (Oral Rat) | NA | NA |
| Xylene | 48 | 1330-20-7 | >5.0 g/kg (Oral Rat) | 100 ppm | NA |
| Isopropylalcohol | 16 | 67-63-0 | NA | 400 ppm | NA |

SECTION 03: HAZARDOUS IDENTIFICATION

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| Route of Entry: | Skin, Eyes, Inhalation and Ingestion |
| Skin Contact: | Repeated exposure and washing may irritate the skin or cause dermatitis. |
| Skin Absorption: | See above |
| Eye Contact: | May cause irritation. May cause conjunctivitis, mild transient corneal injury or other tissue damage. |
| Inhalation: | Excessive exposure to vapors or spray mists may cause headaches, nausea, vomiting, dizziness and central nervous depression. |
| Ingestion: | Do not induce vomiting. Harmful or fatal if swallowed. Minute amounts aspirated into the lungs during swallowing or subsequent vomiting may cause dangerous bronchopneumonia or pulmonary edema. |
| Emergency Overview: | N/A |
| WHMIS Symbols: | B2, D2A, D2B |
| Potential Health Effects: | Chronic Exposure: Possible liver and kidney damage. |

SECTION 04: FIRST AID MEASURES

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| Skin Contact: | Wash with soap and water immediately. |
| Eye Contact: | Flush with large quantities of water for 15 minutes, and seek medical attention. |
| Inhalation: | Get medical attention immediately |
| Ingestion: | If ingested get medical attention immediately. |

SECTION 05: FIRE FIGHTING MEASURES

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| Flammable (Yes / No) | Yes |
| Yes | Class 3 |
| Means of Extinction | Foam, dry chemical, carbon dioxide or any class B extinguishing agent. Water may be |

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| | unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. |
| Flash Point (°C / Method) | 12 C TCC Method |
| Upper Flammable Limit (% by Volume) | Not known |
| Lower Flammable Limit (% by Volume) | 1.0 |
| Autoignation Temperature (°C) | Not Known |
| Explosion Data- Sensitivity to Impact | Not Known |
| Explosion Data | Closed containers may rupture when exposed to extreme heat. |
| Hazardous combustion Products | Carbon dioxide, carbon monoxide, nitrogen oxides, toxic fumes. |
| Special Fire Fighting Procedures | Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus. |

SECTION 06: ACCIDENTAL RELEASE MEASURES

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| Leak and Spill Procedures | Remove all sources of ignition. Wear protective equipment during cleanup. Ventilate area. Keep spectators away. Floor may be slippery. Contain spill with inert material or absorbent such as sawdust, vermiculate or sand. Do not allow material enter drain or waterways. |
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SECTION 07: HANDLING AND STORAGE

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| Handling Procedures and Equipment | Avoid prolonged or repeated inhalation of heated vapors or spray mists. Keep away from heat or open flame. Avoid all skin contact. |
| Storage requirements | Keep containers closed. Store in a cool, well-ventilated area away from oxidizing agents, other incompatible substances, and sources of ignition. Product is a static accumulator. Transfer equipment should be grounded or bonded. |

SECTION 08: EXPOSURE CONTROL / PERSONAL PROTECTION

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| Exposure Limit | ACGIH TLV | See section 2 |
| | OSHA PEL | NA |
| | Other | |
| Engineering Controls | General | General ventilation is required during normal use. |
| | Local Exhaust | Local ventilation may be required during certain operations that generate fumes or spray mists. |
| | Other | |
| Personal Protective Equipment | Gloves | NA |
| | Respirator | A canister type respirator may be necessary if spray mists or fumes are generated. A NIOSH approved organic vapor mask with a dust/ mist pre-filter is recommended. |
| | Eye | NA |
| | Footwear | |
| | Clothing | Long sleeved cover-alls, rubber glove, goggles and safety shoes are recommended. |
| | Other | |
| Hazard Index | | |

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State | Liquid |
| Odor and Appearance | Petroleum solvent odor, clear liquid |
| Odor Threshold (ppm) | NA |

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| Specific Gravity | 0.92 g/cm ³ |
| Vapor Density (air = 1) | NA |
| Vapor Pressure (mmHg) | NA |
| Evaporation Rate | Faster than n-butyl acetate |
| Flammability Class | Class 3 |
| Boiling Point °C | 82 C |
| Freezing Point °C | NA |
| Volatile % By Weight | 64.0 |
| PH | NA |
| Coefficient of Water / Oil Distribution | NA |
| Solubility in Water | NA |

SECTION 10: STABILITY AND REACTIVITY

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| Chemical Stability | Stable |
| Incompatibility With Other Substances | Do not mix with strong oxidizing agents, strong acids or bases, amines or halogens. |
| Reactivity | Not reactive |
| Hazardous Decomposition Products | Carbon dioxide, carbon monoxide, nitrogen oxides, toxic fumes |

SECTION 11: TOXICOLOGICAL INFORMATION

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| Effects on Acute Exposure | Acute eye toxicity: Benzyl Alcohol is severely irritating (rabbit). |
| Effects on Chronic Exposure | Sub chronic: Central nervous effects were reported in rats given up to 800 mg/kg/day benzyl alcohol orally for 13 weeks. |
| Irritancy of Product | Acute Eye Toxicity: Benzyl Alcohol is severely irritating (rabbit). Acute Skin Toxicity: Benzyl Alcohol: dermal LD50 (rabbit), 2000 mg/kg. Acute Inhalation Toxicity: Benzyl Alcohol: inhalation LC50 (rat), 1000 ppm/ 8 hr. Acute Oral Toxicity: Benzyl Alcohol: oral LD50 (rat) 1230-3100 mg/kg. |
| Skin Sensitization | NA |
| Respiratory sensitization | NA |
| Carcinogenicity | This material does not contain 0.1 % or more of any substance which is listed as a carcinogen by NTP, TARC or OSHA. |
| Other Toxicity Information | Benzyl alcohol has been shown to cause brain, thymus and skeletal muscle effects in animals. |
| IARC (1,A2 or 2B) | NA |
| ACGIH (A1, A2 or A3) | NA |
| Reproductive Toxicity | NA |
| Teratogenicity | NA |
| Embryotoxicity | NA |
| Mutagenicity | It has been reported that benzyl alcohol has caused in vitro mutagenic effects in mammalian cells and in bacteria in the presence of metallic activation. |
| Name of Synergistic Products / Effects | |

SECTION 12: ECOLOGICAL INFORMATION

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| Aquatic Toxicity | Benzyl Alcohol: LC50 (fathead minnow), 460 ppm/ 96 hr; LC50 (daphnia), 360 ppm / 48 hr. Cycloaliphatic Amine: LC50 (fish), 110 mg/ 1/ 96 H; EC50 (daphnia), 23 mg/ 1 48 H. |
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SECTION 13: DISPOSABLE CONSIDERATION

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| Waste Disposal | Allow the absorbent material to dry and landfill the solids in accordance with current federal, state, |
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| | provincial and local regulations. |
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SECTION 14: TRANSPORT INFORMATION

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| Special Shipping Information | Ultrabond 400 Part B |
| PIN | |
| TDG | Technical Shipping Name: Polyamines, liquid, corrosive, N.O.S. Hazard Class: 3 UN Number: 2734 Packaging Group II ERG Number: 153 |
| DOT | Technical Shipping Name: Polyamines, liquid, corrosive, N.O.S. Hazard Class: 3 UN Number: 2734 Packaging Group II ERG Number: 153 |
| IMO | NA |
| ICAO | NA |
| ERAP | NA |

SECTION 15: REGULATORY INFORMATION

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| WHMIS Classification | B2, D2A, D2B |
| OSHA | This material is classified as a hazardous chemical under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200. |
| SARA | This material does not contain any substance that is subject to the reporting requirements of 40 CFR 372. |
| TSCA | |
| DSL / TOSCA | |

SECTION 16: OTHER INFORMATION

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| Regulatory Information | NA |
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It is provided solely for the customer's consideration, and verification. Hereby specifically claims. It shall not be held liable for any damage resulting from handling or from contact with the above products.