

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** TuffRez HF Polyurethane Concrete - Resin/Side A  
**Version #** 1.0  
**Revision date** 10-Mar-2010  
**Company information** PolySpec  
 6614 Gant Road  
 Houston, TX 77066 US  
**Emergency** Chemtrec (800) 424-9300  
 International (703) 527-3887

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS #	Percent
Butyl benzyl phthalate	85-68-7	< 40
Non-hazardous and other components below reportable levels		> 60
<b>Composition comments</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	

## 3. HAZARDS IDENTIFICATION

### Potential short term health effects

**Eyes** Contact with eyes may cause irritation.  
**Skin** Not expected to be a primary skin irritant.  
**Inhalation** May cause irritation of respiratory tract.

## 4. FIRST AID MEASURES

### First aid

**Eye contact** Flush eyes with water as a precaution. If irritation persists get medical attention.  
**Skin contact** Rinse with water. Get medical attention if irritation develops or persists.  
**Inhalation** Call a physician if symptoms develop or persist. If breathing is difficult, give oxygen.

**General advice** If you feel unwell, seek medical advice (show the label where possible).

## 5. FIRE FIGHTING MEASURES

**General fire hazards** Not a fire hazard.  
**Suitable extinguishing media** Carbon dioxide (CO<sub>2</sub>). Alcohol foam. Water spray. Polymer foam. Dry chemical powder.  
**Fire fighting equipment/instructions** Cool containers with flooding quantities of water until well after fire is out.  
**Specific methods** In the event of fire, cool tanks with water spray. Water mist may be used to cool closed containers.

## 6. ACCIDENTAL RELEASE MEASURES

**Evacuation procedures** Stay upwind. Keep out of low areas. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained.  
**Containment procedures** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift.  
**Personal precautions** Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.  
**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not contaminate water.  
**Methods for cleaning up** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dike far ahead of liquid spill for later disposal. Never return spills in original containers for re-use. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water.

## 7. HANDLING AND STORAGE

**Handling** Handle and open container with care. Surfaces may become slippery after spillage.  
**Storage** Use care in handling/storage. Do not freeze.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Personal protective equipment

**Respiratory protection** No personal respiratory protective equipment normally required.  
**Eye protection** Avoid contact with eyes.  
**Skin and body protection** Wear suitable protective clothing.  
**General** Wear suitable protective equipment.

## 9. PHYSICAL & CHEMICAL PROPERTIES

**Density** 8.6014 lb/gal  
**Form** Liquid.  
**Specific gravity** 1.032

## 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

**Stability** Stable at normal conditions. No hazards to be especially mentioned.  
**Incompatibility** Strong acids. This product is incompatible with nitrates.

## 11. TOXICOLOGICAL INFORMATION

### Component analysis - LD50

#### NIOSH - Selected LD50s and LC50s

Butyl benzyl phthalate 85-68-7 Oral LD50 Rat: 2330 mg/kg; Oral LD50 Mouse: 4170 mg/kg; Dermal LD50 Rabbit: >10 g/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

### Environmental effects

#### Ecotoxicity - Freshwater Algae Data

Butyl benzyl phthalate 85-68-7 96 Hr EC50 freshwater algae (Selenastrum capricornutum and Skeletonema costatum): 0.1 mg/L

#### Ecotoxicity - Freshwater Fish Species Data

Butyl benzyl phthalate 85-68-7 96 Hr LC50 rainbow trout: 2.9 mg/L (Static); 96 Hr LC50 fathead minnow: 1.7 mg/L (Static); 96 Hr LC50 bluegill sunfish: 1.0 mg/L (Static)

#### Ecotoxicity - Water Flea Data

Butyl benzyl phthalate 85-68-7 48 Hr EC50 water flea: 3.0 mg/L (Static)

## 13. DISPOSAL CONSIDERATIONS

**Disposal instructions** This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

## 14. TRANSPORTATION INFORMATION

### Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

### International Air Transport Association (IATA) Requirements

Not regulated as dangerous goods.

### International Maritime Dangerous Goods (IMDG) Code Requirements

Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)**

Butyl benzyl phthalate 85-68-7 201-622-7

**Inventory - United States - Section 8(b) Inventory (TSCA)**

Butyl benzyl phthalate 85-68-7 Present

**Occupational safety and health administration (OSHA)**

**29 CFR 1910.1200** Yes  
**hazardous chemical**

**CERCLA (superfund) reportable quantity**

Ethylene Glycol: 5000.0000

**Superfund amendments and reauthorization act of 1986 (SARA)**

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**NFPA ratings**

Health: 0  
Flammability: 0  
Instability: 0

**International regulations**

**Canada - 2004 NPRI (National Pollutant Release Inventory)**

Butyl benzyl phthalate 85-68-7 Part 1, Group 1 Substance

**Canada - WHMIS - Ingredient Disclosure List**

Butyl benzyl phthalate 85-68-7 1 % (English Item 241, French Item 1415)

**State regulations**

**Massachusetts - Right To Know List**

Butyl benzyl phthalate 85-68-7 Present

**New Jersey - Right to Know Hazardous Substance List**

Butyl benzyl phthalate 85-68-7 sn 2896

**Pennsylvania - RTK (Right to Know) List**

Butyl benzyl phthalate 85-68-7 Environmental hazard

## 16. OTHER INFORMATION

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

**Issue date**

10-Mar-2010

**MSDS sections updated**

Accidental Release Measures: Containment procedures  
Regulatory Information: US Federal Regulations