

1. PRODUCT AND COMPANY IDENTIFICATION

Product name TuffRez HQ Polyurethane Concrete - Resin/Side A
Version # 1.0
Revision date 24-Jun-2008
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
Composition comments	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 (CO2). 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 Dispose in accordance with all applicable regulations. 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.

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

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

24-Jun-2008

MSDS sections updated

Accidental Release Measures: Containment procedures
Disposal Considerations: Disposal instructions
Other Information: Disclaimer