

1. PRODUCT AND COMPANY IDENTIFICATION

Product name TuffRez MF Polyurethane Concrete - Resin/Side A
Version # 1.0
Revision date 04-Dec-2009
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
Petroleum naphtha, light aromatic	64742-95-6	< 2.5
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. Polymer foam. Dry chemical powder.

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.
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.

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.

Engineering measures to reduce exposure Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

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
Petroleum naphtha, light aromatic	64742-95-6	Oral LD50 Rat: 8400 mg/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
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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)
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Ecotoxicity - Water Flea Data

Butyl benzyl phthalate	85-68-7	48 Hr EC50 water flea: 3.0 mg/L (Static)
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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
Petroleum naphtha, light aromatic	64742-95-6	265-199-0

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

Butyl benzyl phthalate	85-68-7	Present
Petroleum naphtha, light aromatic	64742-95-6	Present

Occupational safety and health administration (OSHA)

29 CFR 1910.1200	Yes
hazardous chemical	

CERCLA (superfund) reportable quantity

None

Superfund amendments and reauthorization act of 1986 (SARA)

Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	No
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Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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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
Petroleum naphtha, light aromatic	64742-95-6	Part 5 Substance

Canada - WHMIS - Ingredient Disclosure List

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

Massachusetts - Right To Know List

Butyl benzyl phthalate	85-68-7	Present
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New Jersey - Right to Know Hazardous Substance List

Butyl benzyl phthalate	85-68-7	sn 2896
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Pennsylvania - RTK (Right to Know) List

Butyl benzyl phthalate	85-68-7	Environmental hazard
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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

04-Dec-2009