

## **SAFETY DATA SHEET**

REVISED DATE: 07/10/2015

### **SECTION 1: IDENTIFICATION**

**PRODUCT:** Butyl Benzyl Phthalate

**SYNONYMS:** BBP, n-Butyl Phthalate, 1,2-Benzenedicarboxylic Acid, Butyl Phenylmethyl Ester, Benzyl n-Butyl Phthalate, n-Butyl Benzyl Phthalate, Benzyl-butylester, Butyl Benzyl Phthalate, Butyl Phenylmethyl 1,2-benzenedicarboxylate, Palatinol BB, Santicizer 160, Sicol 160, Unimoll BB

**RECOMMENDED USE:** Plasticizer

**Supplier:** Everchem Specialty Chemicals  
1400 N. Providence Rd., Suite 302  
Media, PA 19063

**EMERGENCY TELEPHONE NUMBERS:**

**Transportation:**  
CHEMTREC 1-800-424-9300

**Information:**  
Everchem Specialty Chemicals (Tel) 484-234-5030  
Everchem Specialty Chemicals (Fax) 484-234-5037

### **SEC. 2: HAZARDOUS INGREDIENT**

#### **EMERGENCY OVERVIEW:**

#### **GHS CLASSIFICATION:**

#### **CLASSIFICATION (29 CFR 1910.1200 APPENDIX A):**

**GHS PHYSICAL HAZARD:** Obtain special instructions before use. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Avoid release to the environment.

**GHS Health Hazard:** May damage the unborn child. Suspected of damaging fertility.

**GHS Environmental Hazard:** Very toxic to aquatic life with long lasting effects.

#### **GHS LABELING:**

**SYMBOL:**



**SIGNAL WORD:** DANGER

**Hazard Class:** Repr. 1B; Aquatic Acute 1; Aquatic Chronic 1

**Hazard Statements:** May damage the unborn child. Suspected of damaging fertility.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Precautionary Statements: Not Listed

HAZARD	HMIS	NFPA
Toxicity	2	1
Fire	1	1
Reactivity	0	0

### SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

NO.	Component CAS REG. NO.	Amount %	OSHA		ACGIH	
			TWA	STEL	TWA	STEL
1	Benzyl Butyl Phthalate 85-68-7	Not Listed				

### SECTION 4: FIRST AID MEASURES

**Emergency first aid procedures by route of exposure:**

**Inhalation:** Person should be moved to a fresh air environment.

**Ingestion:** Seek medical Advice.

**Skin:** Immediately wash affected skin with soap and water. Seek medical attention if symptoms persist.

**Eyes:** Immediately flush eyes with large amounts of water for at least 15 minutes. If irritation persists, consult a physician.

**General:** If exposed or concerned: Get medical advice/attention.

### SECTION 5: FIRE FIGHTING MEASURES

**Flash Point:** 198° C (open cup), 113° C (closed cup)

**Auto-ignition Temperature:** Not Listed

**Lower Explosion Limit:** Not Listed

**Upper Explosion Limit:** Not Listed

**Flammability Classification:** Combustible. Gives off irritating or toxic fumes (or gases) in a fire.

**Suitable Extinguishing Media:** Use alcohol-resistant foam, powder, carbon dioxide or water spray for extinction.

**Products of Combustion:** Not Listed

**Fire Fighting Equipment/Instructions:** A MSHA/NIOSH approved self-contained breathing apparatus should be worn.

Use water spray to cool fire-exposed containers.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Protection:** Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water.

**Special Properties:** Not Listed

**Environmental Precautions:** Keep spills out of all sewers and bodies of water.

**Method for Containment:** Dike and contain the spill with inert material (i.e., sand, earth, sawdust) and transfer liquid and

solid diking material to separate containers for recovery or disposal.

**Methods for Clean-up:** Wash floor area with hot water solution.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

**Storage:** Store locked up. Store in an area without a drain or sewer access. Separated from strong oxidants.

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Engineering Controls:** For normal operation, local exhaust ventilation should suffice. Direct exhaust may be necessary

when material becomes heated and vapors are given off or PEL exceeded.

**Personal Protective Equipment (PPE)**

**Respiratory Protection:** Use a NIOSH approved respirator with organic vapor cartridge when exposure to mists or vapors is anticipated.

**Eye/Face Protection:** Safety glasses.

**Hand Protection:** Butyl rubber, nitrile or viton gloves - it is recommended that two pairs of dissimilar gloves be worn.

**Body:** Not Listed

**Other Protective Equipment:** Eyewash facility in vicinity. Do not eat, drink or smoke during work.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Colorless oily liquid

**Odor:** Not Listed

**Odor threshold:** Not Listed

**pH:** Not Listed

**Melting point/freezing point:** < -35° C

**Initial boiling point and boiling range:** 370° C

**Flash point:** 198° C (open cup), 113° C (closed cup)

**Evaporation rate:** Not Listed

**Flammability:** Not Listed

**Upper/lower flammability or explosive limit:** Not Listed

**Vapor pressure, Pa at 20° C:** negligible

**Relative vapor density (air=1):** 10.8

**Relative density:** Not Listed

**Solubility in water:** 0.71 mg/l (very poor)

**Partition coefficient: n-octanol/water as log Pow:** 4.77

**Auto-ignition temperature:** Not Listed

**Decomposition temperature:** Not Listed

**Viscosity:** Not Listed

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not Listed

**Chemical stability:** Stable

**Flammability:** Combustible

**Possibility of hazardous reactions:** Not Listed

**Conditions to avoid:** Oxidizers

**Incompatible materials:** Strong oxidizing agents, strong bases

**Hazardous decomposition products:** Carbon oxides

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD50 Oral - rat: 2.330 mg/kg

LD50 Dermal - rabbit: > 10.000 mg/kg

**Skin corrosion/irritation:** Not Listed

**Serious eye damage/eye irritation:** Not Listed

**Respiratory or skin sensitization:** Not Listed

**Germ cell mutagenicity:** Not Listed

**Carcinogenicity:** This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Benzyl butyl phthalate)

**Reproductive toxicity:** Presumed human reproductive toxicant. Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

**Specific target organ toxicity - single exposure:** Not Listed

**Specific target organ toxicity - repeated exposure:** Not Listed

**Aspiration hazard:** Not Listed

**Potential health effects:**

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

**Additional information:** RTECS: TH9990000

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:**

**Toxicity to fish:** LC50 - Lepomis macrochirus (bluegill): 1.7 mg/l; 96h

NOEC - Oncorhynchus mykiss (rainbow trout): 0.48 mg/l; 96h

**Toxicity to daphnia and other aquatic invertebrates:** EC50 - Daphnia magna (water flea): 1.70 mg/l; 48h

**Persistence and Degradability:**

**Biodegradability:** Biotic/Aerobic: Result: 88% - readily biodegradable

**Bioaccumulative Potential:**

**Bioaccumulation:** Lepomis macrochirus (bluegill): O 21 d

**Bioconcentration factor (BCF):** 663

**Mobility in soil:** Not Listed

**PBT and vPvB assessment:** Not Listed

**Other adverse effects:** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**+S60:** This material and its container must be disposed of as hazardous waste.

**+S61:** Avoid release to the environment. Refer to special instructions/Safety Data Sheets.

## SECTION 14: TRANSPORTATION INFORMATION

**ADR/RID**

**UN-Number:** 3082

**Class:** 9

**Packing group:** III

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl butyl phthalate)

**IMDG**

**UN-Number:** 3082

**Class:** 9

**Packing group:** III

**EMS-No:** F-A, S-F

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl butyl phthalate)

**Marine pollutant:** Marine pollutant

**IATA**

**UN-Number:** 3082

**Class:** 9

**Packing group:** III

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl butyl phthalate)

## SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with requirements of Regulation (EC) No. 1272/2008

## SECTION 16: OTHER INFORMATION

NOT LISTED

The information presented herein has been compiled from sources considered by the company in good faith to be dependable and is accurate and reliable to the best of our knowledge and belief. However, Everchem Specialty Chemicals cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers, or others. Users should make their own tests to determine the applicability of such information or suitability of any products for specific use.