

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 183.10

Revision Date: March 24, 2014

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Butyl Phthalate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Reproductive toxicity (Category 1). May damage fertility or the unborn child (H360). Obtain special instructions before use (P201). Do not handle until all safety precautions have been read and understood (P202). Use personal protective equipment as required (P281).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Butyl phthalate	84-74-2	$C_{16}H_{22}O_4$	278.34	
Synonyms: Dibutyl phthalate; DBP; Phthalic acid di-n-butyl ester; Benzene-1,2-dicarboxylic acid di-n-butylester				

SECTION 4 — FIRST AID MEASURES

If exposed or concerned: Get medical advice or attention (P308+P313).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

If on skin: Wash with plenty of water.

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible liquid.

Flash point: 157 °C Lower: 0.5% (235 °C) Autoignition Temperature: 402 °C

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA CODE

H-2

F-1

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, oils, esters and aldehydes.
Store in a cool, dry place.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.
Exposure guidelines: PEL/TLV 5 mg/m³ (OSHA/ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless oily liquid. Odorless.

Soluble: Many organic solvents. Very slightly in water.

Boiling point: 340 °C

Melting point: -35 °C

Specific gravity: 1.048

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizing agents and acids.

Shelf life: Fair to poor. See Section 7 for further information.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Harmful vapor, irritant, nausea, dizziness, and headache.

Chronic effects: Possible teratogen.

Target organs: Kidneys, central nervous system, eyes, and male reproductive system

N.A. = Not available, not all health aspects of this substance have been fully investigated.

ORL-RAT LD₅₀: 7499 mg/kg

IHL-RAT LC₅₀: 4250 mg/m³

SKN-RBT LD₅₀: >20 mL/kg

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (201-557-4), RCRA code U069.

SECTION 16 — OTHER INFORMATION

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

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