



# Fisher Science Education

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## MATERIAL SAFETY DATA SHEET

MSDS No.: PP0140  
Revision Date: January 9, 2010  
Approved by: James A. Bertsch

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### Section 1 Chemical Product and Company Information

|          |                                      |
|----------|--------------------------------------|
| Product  | PHENOLPHTHALEIN                      |
| Synonyms | 3,3-Bis(para-hydroxyphenyl)phthalide |

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

### Section 2 Hazards Identification

#### Emergency Overview

**CAUTION!**  
MAY BE HARMFUL IF SWALLOWED.

**WARNING:** This product contains a chemical known to the state of California to cause cancer. Risk of cancer depends on level and duration of exposure. Avoid inhalation of dust. Avoid contact with skin, eyes and clothing. Target organs: None known.

0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

|            |   |
|------------|---|
| Health     | 1 |
| Fire       | 1 |
| Reactivity | 1 |
| Contact    | 1 |

HMIS \*

### Section 3 Composition / Information on Ingredients

| Chemical Name   | CAS #   | %    | TLV Units (ACGIH 2001) |
|-----------------|---------|------|------------------------|
| Phenolphthalein | 77-09-8 | 100% | None established.      |

### Section 4 First Aid Measures

**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN CONTACT:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

### Section 5 Fire Fighting Measures

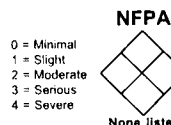
**General information:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool.

**Extinguishing Media:** Carbon dioxide, dry chemical, water spray, alcohol foam.

**Flash Point:** Non-flammable.

**Autoignition temperature:** N/A

**Explosion Limits:** Lower: N/A Upper: N/A



### Section 6 Accidental Release Measures

Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation. Recover for use if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water. Avoid runoff into storm sewers and ditches which lead to waterways.

### Section 7 Handling & Storage

### GENERAL STORAGE CODE GREEN

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

**Handling:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale dusts. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances.

### Section 8 Exposure Controls / Personal Protection

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

### Section 9 Physical & Chemical Properties

**Physical state:** Solid.

**Appearance:** White to off-white, crystalline powder.

**Odor:** No odor.

**pH:** N/A

**Vapor pressure (mm Hg):** N/A

**Vapor Density (Air = 1):** N/A

**Evaporation rate (Butyl acetate = 1):** N/A

**Viscosity:** N/A

**Boiling point:** N/A

**Freezing / Melting point:** 261°C (501°F)

**Decomposition temperature:** N/A

**Solubility:** Slightly.

**Specific gravity (H<sub>2</sub>O = 1):** 1.299

**Percent volatile (%):** 100%

**Molecular formula:** C<sub>20</sub>H<sub>14</sub>O<sub>4</sub>

**Molecular weight:** 318.33

### Section 10 Stability & Reactivity

**Chemical stability:** Stable

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Excessive temperatures and heat. Protect from light.

**Incompatibilities with other materials:** Strong oxidizers.

**Hazardous decomposition products:** Oxides of carbon.

### Section 11 Toxicological Information

**Effects of overexposure:** Suspect cancer hazard. May be harmful by ingestion, inhalation or skin absorption. May cause irritation. To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

### Section 12 Ecological Information

Data not yet available.

### Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

### Section 14 Transport Information

**UN/NA number:** N/A

**Shipping name:** Not Regulated.

**Hazard class:** N/A

**Packing group:** N/A

**Exceptions:** N/A

### Section 15 Regulatory Information

TSCA-listed, EINECS-listed (201-004-7), DSL-listed, Ca Prop 65-listed.

### Section 16 Additional Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards.