



MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. PP 140
Effective Date April 9, 1999

SECTION V HEALTH HAZARD DATA

PP 140

Threshold Limited Value

None established. (ACGIH 1992-93).

Effects of Overexposure

INHALATION: May cause irritation of mucous membranes in the nose and throat. May cause coughing and sneezing. **INGESTION:** Cathartic, very active even in small amounts (30-100 mg). May cause purging, collapse and fall of blood pressure. **SKIN:** May be absorbed via moist or oily surfaces. May cause rash that can become ulcerous. **EYES:** May cause irritation.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give several glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Protect from light. Excessive temperatures and heat.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Carefully sweep up, avoid making dust, and place in a suitable container for disposal. Wash spill area with soap and water.
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Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in an approved incinerator or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None required in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.
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Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	If dusty.	Other	No.

Protective Gloves	Rubber - if needed.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from fire hazards and strong oxidizing materials. Avoid contact with skin and eyes. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Avoid breathing dust. Use with adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 5	Date 4/9/99	Approved Michael Raszeja	Chemical Safety Coordinator	MR
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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. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	PHENOLPHTHALEIN, POWDER
Chemical Synonyms	3,3-Bis(para-hydroxyphenyl)phthalide
Formula	C ₂₀ H ₁₄ O ₄
Unit Size	up to 2.5 Kg.
C.A.S. No.	77-09-8

CHEMTREC
800-424-9300
Day 716-226-6177

Health	1
Fire	1
Reactivity	1

NFPA HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

HMIS *
0 1 2 3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Phenolphthalein, powder	100%	None established.

CAUTION! MAY BE HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	259-263°C (498°-505°F)	Specific Gravity (H ₂ O = 1)	1.277 (32°C/4°C)
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	0.004% at 25°C.		
Appearance & Odor	White powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Greater than 256°C.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media	Carbon dioxide; dry chemical; water spray; foam; sand.
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SPECIAL FIREFIGHTING PROCEDURES

If possible, isolate container in an open-air or well-ventilated area. Flood with a large volume of water. In fire conditions wear a NIOSH/MSHA-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20