



COLUMBUS CHEMICAL INDUSTRIES INC.

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Phenolphthalein

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code	Emergency Telephone Number
Columbus Chemical Industries	CHEMTREC 1 (800) 424-9300
N4335 Temkin Road	Telephone Number for Information
Columbus, Wisconsin 53925	1 (920) 623-2140
	Date Prepared
	03-27-2006
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Phenolphthalein*	77-09-8	Not established	Not established	Not available	>95%

*SYNONYMS: 3,3-Bis-(4-hydroxyphenyl)-1-(3H)-isobenzofuranone.

Section III - Physical/Chemical Characteristics

Boiling Point	Not available	Specific Gravity (H ₂ O = 1)	1.299
Vapor Pressure (mm Hg)	Negligible	Melting Point	260 °C (500 °F)
Vapor Density (AIR = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)	Negligible

Solubility in Water

Partially soluble in water.

Appearance and Odor

White to pink, crystalline solid without odor.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not available		Not available	Not available

Extinguishing Media

Use extinguishing media appropriate for surrounding fire conditions. Do not use water jet.

Special Fire Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece respirator operated in positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions. Water spray may be used to keep containers cool. Powdered material may lead to dust explosion.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Oxidizers, incompatibles.
	Stable	X		

Incompatibility Materials to Avoid

Alkali, oxidizing agents.

Hazardous Decomposition or Byproducts

Carbon monoxide, carbon dioxide, benzene.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Oxidizers, acids.
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

EYES/SKIN: May cause irritation, possible sensitization. INHALATION: Irritating to the mucous membranes and upper respiratory tract. INGESTION: Gastrointestinal irritation. Toxic to kidneys. Mutogenic for mammalian somatic cells. investigated.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Carcinogen	Possible carcinogen	Not listed

Signs and Symptoms of Exposure.

EYES: Reddening, tearing, irritation. SKIN: Skin rash, pain, reddening, irritation. INHALATION: Irritation of mucous membranes and upper respiratory tract, headache. INGESTION: May cause nausea, vomiting, diarrhea, headache, discomfort.

Medical Conditions Generally Aggravated by Exposure

Medical conditions that may be aggravated by exposure to this product include:

Conjunctivitis of the eye, dermatitis of the skin, asthma and other respiratory diseases.

Emergency and First Aid Procedures EYES: In case of contact, flush eyes with water for at least 15 minutes minimum. Call a physician. SKIN: In case of contact, wash skin with soap and water for at least 15 minutes. Call a physician if irritation persists. INHALATION: Move to fresh air. Give oxygen if breathing is difficult, artificial respiration if not breathing..

DO NOT induce vomiting. Seek medical attention immediately.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate area. Wear NIOSH/MSHA-approved respirator, chemical-resistant goggles, rubber boots, apron and rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. area and wash spill site after material pickup is complete.

Waste Disposal Method Dispose in accordance with all Federal, state and local regulations.

Precautions to be Taken in Handling and Storing

Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labelled containers. Store in a resistant area. Protect against moisture, physical damage, and light. Maintain adequate ventilation. Wash thoroughly after handling. Do not ingest or breathe dust. Protect exposed tissues. Store away from heat and incompatibles.

Other Precautions Avoid storage near oxidizers. Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures

Respiratory Protection (Specify Type) Use appropriate NIOSH/MSHA-approved respirator with dust/mist cartridge.

Ventilation	Local Exhaust	Necessary.	Special	Eyewash nearby.
	Mechanical (General)	Recommended.	Other	Safety shower nearby.

Protective Gloves Appropriate chemical-resistant gloves. **Eye Protection** Chemical safety goggles.

Other Protective Clothing or Equipment Dust-mask, boots, body-covering clothing.

Work /Hygienic Practices Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing. Do not ingest or breathe dust.

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