

Material Safety Data Sheet

Phenolphthalein

CAS #: 77-09-8

1. Chemical Product and Company Identification

Synonyms: 3,3-bis(p-hydroxyphenyl) phthalide; 3,3-bis(4-hydroxyphenyl)-1(3H)-isobenzofuranone

CAS No.: 77-09-8

Molecular Weight: 318.33

Chemical Formula: C₂₀H₁₄O₄

Company Information:

ChemicalStore.com
A Division of New Jersey Industrial Research
1059 Main Avenue
Clifton, NJ 07011

For Information, call: (973) 405-6248


2. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED. SUSPECT CANCER HAZARD. CONTAINS PHENOLPHTHALEIN WHICH MAY CAUSE CANCER. Risk of cancer depends on level and duration of exposure.

Health Rating: 3 - Severe (Cancer Causing)
Flammability Rating: 1 - Slight
Reactivity Rating: 1 - Slight
Contact Rating: 1 - Slight
Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES
Storage Color Code: Orange (General Storage)

0 - Minimum
Hazard
1 - Slight Hazard
2 - Moderate
Hazard
3 - Serious
Hazard
4 - Severe Hazard

 H = Health
F = Fire
R = Reactivity

Potential Health Effects

Inhalation:

Nuisance dust. 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 or an itching skin rash that can become ulcerous. Other systemic effects are not well

known.

Skin Contact:

Not classified as an irritant but may be absorbed via moist or oily surfaces. Symptoms may resemble those from ingestion exposure.

Eye Contact:

Slight irritant.

Chronic Exposure:

Suspect cancer hazard; contains phenolphthalein which may cause cancer. Risk of cancer depends on level and duration of exposure.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or impaired respiratory function may be more susceptible to the effects of the substance.

3. First Aid Measures

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:

Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

4. Fire Fighting Measures

Fire:

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Explosion:

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Fire Extinguishing Media:

Dry chemical, foam or carbon dioxide.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

5. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

DISCLAIMER: New Jersey Industrial Research Center provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. New Jersey Industrial Research Center is not responsible for damages resulting from use of or reliance upon this information.