

## PHENOLPHTHALEIN

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** PHENOLPHTHALEIN  
**Product Code:** 1670  
**CAS#:** 77-09-8  
**Synonym:** NA  
**Chemical Formula:** C<sub>20</sub>H<sub>14</sub>O<sub>3</sub>  
**Molecular Weight:** 318.32

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Composition:**  
PHENOLPHTHALEIN  
**Toxicological Data on Ingredients:**  
Not available

### SECTION 3: HAZARDS IDENTIFICATION

**Potential Acute Health Effects:** Slightly hazardous in case of eye contact (irritant)  
**Potential Chronic Health Effects:**  
**CARCINOGENIC EFFECTS:** Not available.  
**MUTAGENIC EFFECTS:** Not available.  
**TERATOGENIC EFFECTS:** Not available.  
**DEVELOPMENTAL TOXICITY:** Not available.

### SECTION 4: FIRST AID MEASURES

#### Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled If breathed in.** Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact** Flush eyes with water as a precaution.

**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delay** No data available

**Indication of any immediate medical attention and special treatment needed** no data available

### SECTION 5: FIRE FIGHTING MEASURES

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** Not available.

#### Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.

#### Fire Fighting Media and Instructions:

**SMALL FIRE:** Use DRY chemical powder.

**LARGE FIRE:** Use water spray, fog or foam. Do not use water jet.



**Special Remarks on Fire Hazards:** Not applicable

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions and emergency procedures:** Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Environmental precautions: Do not let product enter drains.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions Take up with liquid-absorbent material Dispose of properly. Clean up affected area.

### SECTION 7: HANDLING AND STORAGE

**Precautions:**

Keep away from heat. Keep away from sources of ignition.

**Storage:**

Store in cool, dry place in closed containers

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Airborne Exposure Limits:**

None established.

**Ventilation System:**

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

**Personal Respirators (NIOSH Approved):**

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Skin Protection:**

Wear protective gloves and clean body-covering clothing.

**Eye Protection:**

Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state and appearance Form</b>	: White
<b>Odour</b>	: Not available
<b>Taste</b>	: Not available
<b>Molecular Weight</b>	: Not available
<b>Colour</b>	: Not available
<b>pH</b>	: 8.2-10.0
<b>Boiling Point</b>	: Not available
<b>Melting Point</b>	: Not available
<b>Critical Temperature</b>	: Not available
<b>Specific Density</b>	: Not Available
<b>Vapor Pressure</b>	: Not Available
<b>Vapor Density</b>	: Not available



Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Solubility	: Not available

#### SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** The product is stable.  
**Instability Temperature:** Not available.  
**Conditions of Instability:** Excess heat.  
**Incompatibility with various substances:** Not applicable  
**Corrosivity:** Not applicable  
**Special Remarks on Reactivity:** Not available.  
**Special Remarks on Corrosivity:** Not available.  
**Polymerization:** Not available.

#### SECTION 11: TOXICOLOGICAL INFORMATION

**Toxicity to Animals:**  
**LD50:** Not available.  
**LC50:** Not available.  
**Chronic Effects on Humans:** Not available.  
**Special Remarks on Toxicity to Animals:** Not available.  
**Special Remarks on Chronic Effects on Humans:** Not available.  
**Special Remarks on other Toxic Effects on Humans:**  
Potential Health Effects: No acute exposure studies were found for PHENOLPHTHALEIN in humans. The dust is predicted to be irritating to the eyes, skin, and respiratory tract from mechanical action.

#### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available.  
**BOD5 and COD:** Not available.  
**Toxicity of the Products of Biodegradation:** Not available.  
**Special Remarks on the Products of Biodegradation:** Not available.

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### SECTION 14: TRANSPORT INFORMATION

**UN number:**  
**ADR/RID:**                      **IMDG:**                      **IATA:**  
**UN proper shipping name**  
**ADR/RID:**  
**IMDG:**  
**IATA:**  
**Transport hazard class (es):**



<b>ADR/RID:</b>	<b>IMDG:</b>	<b>IATA:</b>
<b>Packaging group:</b>		
<b>ADR/RID:</b>	<b>IMDG:</b>	<b>IATA:</b>
<b>Environmental hazards:</b>		
<b>ADR/RID:</b>	<b>IMDG Marine pollutant:</b>	<b>IATA:</b>

#### **SECTION 15: OTHER REGULATORY INFORMATION**

**Federal and State Regulations:** TSCA 8(b) inventory: Not available. **Other Regulations:** Not available. **Other**

**Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSD (EEC):**

This product is not classified according to the EU regulations. Not applicable.

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

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**References:** Not available.

**Other Special Considerations:** Not available.

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