



Safety Data Sheet  
According to the (US) Hazard Communication Standard (29 CFR 1910.1200)

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** Phenolphthalein, ACS, powder  
**NCL Catalog Number** P-18C  
**Product Description** Laboratory chemical  
**Manufacturer** EMD Chemicals Inc. PO Box 70, 480 Democrat Road  
Gibbstown, NJ 08027  
**Supplier** NCL of Wisconsin, Inc. PO Box 8, Birnamwood, WI 54414  
Telephone: 1-800-648-7836 Fax: 715-449-2454  
Email: [nclabs@nclabs.com](mailto:nclabs@nclabs.com) Emergency Contact: 1-800-424-9300 (Chemtrec)

**SECTION 2: HAZARDS IDENTIFICATION**

**GHS Classification**

Germ Cell Mutagenicity Category 2  
Carcinogenicity Category 1B  
Reproductive Toxicity Category 2



**Signal Word** Danger

**Hazard Statements**

H341 Suspected of causing genetic defects.  
H350 May cause cancer.  
H361 Suspected of damaging fertility or the unborn child.

**Precautionary Statements**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container to comply with local, state and federal regulations.

**Other Hazards Not Contributing to the Classification**

No additional information.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Identity** C<sub>20</sub>H<sub>14</sub>O<sub>4</sub>  
**Common Name** AGORAL

**Substance**

Name	CAS #	Approximate %
Phenolphthalein	77-09-8	100

**SECTION 4: FIRST AID MEASURES**

**Description of First Aid Measures**

**General First Aid Measures** Never give anything by mouth to an unconscious person. Seek medical advice if you feel unwell.

**If Inhaled** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

<b>In Case of Skin Contact</b>	Remove all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor if you feel unwell.
<b>In Case of Eye Contact</b>	Rinse carefully with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
<b>If Swallowed</b>	Rinse mouth with water. Call a POISON CENTER or doctor if you feel unwell.

**Most Important Symptoms/Effects Acute and Delayed**

No additional information.

**Indication of Immediate Medical Attention and Special Treatment Needed**

Seek medical attention if exposed.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media** Water spray. Polyvalent foam. Alcohol-resistant foam. BC powder. Carbon dioxide.

**Unsuitable Extinguishing Media** Do not use a heavy water stream.

**Special Hazards Arising from the Chemical** No additional information available.

**Special Protective Actions for Fire-Fighters** Wear self-contained breathing apparatus and protective clothing. Keep containers cool with water spray.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment (see section 8). Evacuate area of non-essential personnel. Eliminate ignition sources.

**Environmental Precautions** Prevent entry to sewers and public waters.

**Methods and Materials for Containment and Cleaning Up** Collect spillage with inert absorbent material. Store away from other materials. Wash clothing/equipment after handling. Ensure compliance with local, state and federal regulations.

**SECTION 7: HANDLING AND STORAGE**

**Handling and Storage**

**Precautions for Safe Handling** Avoid contact with eyes and skin. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of dust.

**Conditions for Safe Storage Including any Incompatibilities** Keep in a tightly closed container, stored in a cool, dry, low ventilated area.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters** No data available.

**Appropriate Engineering Controls** Material should be handled or transferred in a fume hood or with equivalent ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Individual Protection Measures** Avoid all unnecessary exposure.

**Skin Protection** Protective gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

**Eye Protection** Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye-wash fountain and quick-drench facilities in work area.

**Respiratory Protection** Wear appropriate mask.

**Other Information** Do not eat, drink or smoke during use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Solid, crystalline
<b>Color</b>	White to yellowish
<b>Molecular Weight</b>	318.34 g/mol
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Melting Point/Freezing Point</b>	258-262°C
<b>Initial Boiling Point and Boiling Range</b>	Not determined
<b>Flash Point</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>Flammability (Solid, Gas)</b>	Not determined
<b>Upper/Lower Flammability/Explosive Limits</b>	Not determined
<b>Vapor Pressure</b>	Not determined
<b>Vapor Density</b>	Not determined
<b>Relative Density</b>	Not determined
<b>Solubility</b>	Not determined
<b>Partition Coefficient: n-octanol/water</b>	Not determined
<b>Auto-Ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Viscosity</b>	Not determined

#### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	Stable under ordinary conditions of use and storage.
<b>Possibility of Hazardous Reactions</b>	No data available
<b>Conditions to Avoid</b>	Avoid generating dust.
<b>Incompatible Materials</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon oxides

#### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	Not classified
<b>Skin Corrosion/Irritation</b>	Not classified
<b>Serious Eye Damage/Irritation</b>	Not classified
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Suspected of causing genetic defects.
<b>Carcinogenicity</b>	May cause cancer.
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>Specific Target Organ Toxicity (Single Exposure)</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure)</b>	Not classified
<b>Aspiration Hazard</b>	Not classified
<b>Potential Adverse Human Health Effects and Symptoms</b>	No data available
<b>Chronic Symptoms</b>	No data available

#### SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity</b>	Not applicable
<b>Persistence and Degradability</b>	Not applicable
<b>Bioaccumulative Potential</b>	Not applicable
<b>Mobility in Soil</b>	Not applicable
<b>Other Adverse Effects</b>	Not applicable

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Methods of Disposal**

<b>Disposal Recommendations</b>	Dispose of contents/containers in accordance with local, state and federal regulations.
<b>Ecology-Waste Materials</b>	Avoid release to the surrounding environment.

**SECTION 14: TRANSPORT INFORMATION**

<b>UN Number</b>	Not applicable
<b>UN Shipping Name</b>	Not applicable
<b>Transport Hazard Class(es)</b>	Not applicable
<b>Packing Group</b>	Not applicable
<b>Environmental Hazards</b>	Not applicable
<b>Transport in Bulk</b>	Not applicable
<b>Special Precautions</b>	Not applicable

**SECTION 15: REGULATORY INFORMATION**

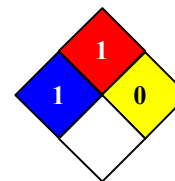
<b>Phenolphthalein (77-09-8)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**SECTION 16: OTHER INFORMATION**

Revision Date: 04/07/2015

**NFPA Hazards**

<b>Health Hazard</b>	1: Exposure would cause irritation with only minor residual injury.
<b>Fire Hazard</b>	1: Must be preheated for ignition; flashpoint above 200°F (93°C).
<b>Reactivity/Instability</b>	0: Normally stable, even under fire exposure conditions, and is not reactive with water.



**HMIS III Rating**

<b>Health</b>	1: Irritation or minor reversible injury possible.
<b>Flammability</b>	1: Materials that must be preheated before ignition will occur. Includes liquids, solids and semisolids having a flashpoint above 200°F (93°C) (e.g., Canola oil).
<b>Physical Hazard</b>	0: Materials that are normally stable.
<b>Personal Protection</b>	H

P-18C	
Health	1
Flammability	1
Physical Hazard	0
Personal Protection	H

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**END OF SAFETY DATA SHEET**