



# UNISOURCE CHEMICALS PRIVATE LIMITED

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## PHENOL RED FREE ACID ACS

### Material Safety Data Sheet

#### **1. PRODUCT IDENTIFICATION:**

**Synonyms:** Phenol red; phenolsulfonphthalein; 4,4'-bis(3-hydroxy-2,1-benzoxathiol-3-ylidene) bis-phenol, S,S-dioxide.

**CAS No.:** 143-74-8.

**Molecular Weight:** 354.38.

**Chemical Formula:** C<sub>19</sub>H<sub>14</sub>O<sub>5</sub>S.

#### **2. COMPOSITION / INFORMATION ON INGREDIENTS:**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Phenol Red, Free Acid	143-74-8	100%	No.

#### **3. HAZARDS IDENTIFICATION:**

##### **Emergency Overview**

**Appearance:** Bright red to dark red powder. **CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.**

##### **Potential Health Effects:**

**Eyes:** Dust may cause mechanical irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Inhalation:** May cause irritation to respiratory tract resulting in coughing and sneezing.

**Chronic:**

#### **4. FIRST AID MEASURES:**

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. Call a physician if irritation persists.

**Skin:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. **Do Not** induce vomiting. **NEVER** give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appear.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

#### **5. FIRE FIGHTING MEASURES:**

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear. Emits toxic fumes under fire conditions.

**Extinguishing Media:** In case of fire use water spray to cool fire expose containers. Use water spray, Carbon Dioxide, dry chemical powder, or appropriate foam.

**Flash Point:** Not available.

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

**Explosion Limits, Lower/Upper:** Not available.

**NFPA Rating:** (estimated) Health: 2; Flammability: 0; Instability: 0.

## **6. ACCIDENTAL RELEASE MEASURES:**

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

## **7. HANDLING AND STORAGE:**

**Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Minimize dust generation and accumulation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

### **Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

### **Exposure Limits**

<b><u>Chemical Name</u></b>	<b><u>ACGIH</u></b>	<b><u>NIOSH</u></b>	<b><u>OSHA –Final PEL’s</u></b>
Phenol Red Free Acid ACS	None Listed	None listed	None listed

**OSHA Vacated PELs:** Phenol Red Free Acid: No OSHA Vacated PELs are listed for this chemical.

### **Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA’s eye and face protection regulation in 29 CFR 1910.133 or European Standard EN 166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Appearance:** Bright red to a dark red powder.

**Odor:** Odorless.

**Solubility:** Slightly soluble in water.

**Specific Gravity:** No information found.

**pH:** No information found.

**% Volatiles by volume @ 21 deg. C (70 deg. F)** 0

**Boiling Point:** No information found.

**Melting Point:** No information found.

**Vapor Density (Air=1):** No information found.

**Vapor Pressure (mm Hg):** No information found.

**Evaporation Rate (BuAc=1):** No information found.

**Decomposition Temperature:** No information found.

## **10. STABILITY AND REACTIVITY:**

**Stability:** Stable under ordinary conditions of use and storage.

**Condition to Avoid:** Incompatible material.

**Incompatibilities with Other Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** Burning may produce carbon monoxide, carbon dioxide, sulfur oxides.

**Hazardous Polymerization:** Will not occur.

## **11. TOXICOLOGICAL INFORMATION:**

### **RTECS:**

Cas#143-74-8: SJ7490000

### **LD50/LC50:**

CAS#143-74-8: No information available.

**Carcinogenicity:** CAS#143-74-8: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Epidemiology:** No information available.

**Teratogenicity:** No information available.

**Reproductive Effects:** No information available.

**Neurotoxicity:** No information available.

**Mutagenicity:** Please refer to RTECS SJ7490000 for specific information.

**Other Studies:**

## **12. ECOLOGICAL INFORMATION:**

**Environmental Fate:** No information available.

**Environmental Toxicity:** No data available.

## **13. DISPOSAL CONSIDERATIONS:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## **14. TRANSPORT REGULATIONS:**

Not regulated

## **15. REGULATORY INFORMATION:**

### **US FEDERAL**

**TSCA CAS# 143-74-8** is listed on the TSCA inventory. It is for Research & Development use only.

**Health & Safety Reporting List:** None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rule:** None of the chemical in this product are under a Chemical Test Rule.

**Section 12b:** None of the chemicals are listed under TSCA Section 12b/

**TSCA Significant New Use Rule:** None of the chemicals in this material have a SNUR under TSCA.

### **SARA**

**CERCLA Hazardous Substances and corresponding RQs:** None of the chemicals in this material have an RQ.

**SARA Section 302 Extremely Hazardous Substances:** None of the chemical in this product have a TPQ.

**Section 313:** No chemicals are reportable under Section 313.

**Clean Air Act:** This material does not contain any hazardous air pollutants. This material does not contain any

Class 1 Ozone depletory. This material does not contain any Class 2 Ozone depletors.  
**Clean Water Act:** None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.  
**OSHA** None of the chemicals in this product are considered highly hazardous by OSHA.  
**STATE** CAS#143-74-8 is not present on state lists from CA, PA, MA, MN, FL, or NJ.  
California No Significant Risk Level: None of the chemicals in this product are listed.

**EUROPEAN/INTERNATIONAL REGULATIONS**

**European Labeling in Accordance with EC Directives**

**Hazardous Symbols:** Not available.

**Risk Phrases:**

**Safety Phrases:**

**WGK (Water Danger/Protection)**

CAS#143-74-8 No information available.

**Canada – DSL/NDSL**

CAS#143-74-8 is listed on Canada’s DSL List.

**Canada – WHMIS**

This product has a WHMIS classification of Not Controlled.

CAS#143-74-8 is not listed on Canada’s Ingredient Disclosure List.

**Exposure Limits**

**16. DISCLAIMER INFORMATION:**

**DISCLAIMER:**

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