



## PHENOL RED 0.04% INDICATOR SOLUTION

### 1. Product Identification

Synonyms: Phenol red; phenolsulfonphthalein sodium salt in water solution; 4,4'-(3H-2,1-benzoxathiol-3-ylidene) bis-phenol, S,S-dioxide, sodium salt in aqueous solution

CAS No.: 34487-61-1

Molecular Weight: 377.37

Chemical Formula:  $C_{19}H_{14}O_5SNa$

Product Codes: 39034

### 2. Composition/Information on Ingredients

| Ingredient              | CAS No     | Percent |
|-------------------------|------------|---------|
| Phenol Red, Sodium Salt | 34487-61-1 | 0.04%   |
| Water                   | 7732-18-5  | 99.96%  |

### 3. Hazards Identification

Potential Health Effects

Inhalation: No adverse health effects expected from inhalation.

Ingestion: No adverse effects expected. Large doses may cause stomach upset.

Skin Contact: Not expected to be a health hazard. May cause slight irritation.

Eye Contact: Not expected to be a health hazard. Splashes may cause irritation.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

### 4. First Aid Measures

Inhalation: Not expected to require first aid measures.

Ingestion: If large amounts were swallowed, give water to drink and get medical advice.

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

Eye Contact: Wash thoroughly with running water. Get medical advice if irritation develops.

### 5. Fire Fighting Measures

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: Use protective clothing and breathing equipment appropriate for the surrounding fire.

### 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust.

The information contained herein in good faith but makes no representations 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. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



#### 7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage, direct sunlight, and freezing.

#### 8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.

Ventilation System: Not expected to require any special ventilation.

Personal Respirators (NIOSH Approved): Not expected to require personal respirator usage.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.

#### 9. Physical and Chemical Properties

Appearance: Clear orange yellow liquid.

Odor: Odorless.

Solubility: Completely soluble in water.

Specific Gravity: ca. 1.0

pH: No information found.

% Volatiles by volume @ 21C (70F): No information found.

Boiling Point: ca. 100C (ca. 212F)

Melting Point: ca. 0C (ca. 32F)

Vapor Density (Air=1): Essentially the same as water.

Vapor Pressure (mm Hg): Essentially the same as water.

Evaporation Rate (BuAc=1): Essentially the same as water.

#### 10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: No hazardous decomposition products.

Hazardous Polymerization: Will not occur.

Incompatibilities: No incompatibility data found.

Conditions to Avoid: No information found.

#### 11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

-----\Cancer Lists\-----

---NTP Carcinogen---

| Ingredient                              | ---NTP Carcinogen--- |             | IARC Category |
|---|----------------------|-------------|---------------|
|   | Known                | Anticipated |               |
| Phenol Red, Sodium Salt<br>(34487-61-1) | No                   | No          | None          |
| Water (7732-18-5)                       | No                   | No          | None          |

#### 12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

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### 13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

### 14. Transport Information

Not regulated.

### 15. Regulatory Information

SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No

Reactivity: No (Mixture / Liquid)

### 16. Other Information

Product Use:

Laboratory Reagent.