

## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Leucofuchsin Dye  
Alternative names: Acidified leucofuchsin solution.  
Product Number: 170-3EA

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

### 1.4 Emergency telephone number

Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS classification

Skin Sensitization. (Category 1B) H317  
Respiratory Sensitization. (Category 1A) H334  
Eye Irritation (Category 2B) H320  
Carcinogenicity (Category 2) H351

### 2.2 Label elements, including precautionary statements

Signal word: Danger

Hazards statements: H317– May cause an allergic skin reaction. H334– May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H351-Suspected of causing cancer. H320-Causes eye irritation.

Precautionary statements: P280 - Wear protective gloves, eye protection, P264 - Wash exposed skin thoroughly after handling.



Pictogram:

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: Not applicable

### 3.2 Mixture:

Chemical Name	Product identifier	%	GHS-US classification
Water	CAS# 7732-18-5	99.33%	Not classified
Hydrochloric acid	CAS# 7647-01-0	0.67%	Acute Tox. 4, H302; Skin Corr. 1A H314; Eye Dam. 1, H318; STOT SE 3, H335
Basic Fuchsin	CAS# 632-99-5	0.5%	Acute Tox. 4, H302; Carc. 2 H351
Potassium Metabisulfite	CAS# 16731-55-8	0.5-1.5%	Acute Tox. 4, H302; Eye Irrit. 2A, H319; Skin Sens. 1B, H317; Resp. Sens. 1A, H334

3.3 Chemicals where a trade secret is claimed: Any concentration shown as a range is to protect confidentiality, or is it due to batch variation.

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**INGESTION:** Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Do NOT induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.

**INHALATION:** Remove to fresh air. Get medical attention if necessary.

**EYE CONTACT:** Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek immediate medical attention.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation or an allergic reactions occurs.

4.2 Most important symptoms and effects, both acute and delayed: Refer to section 11.

4.3 Indication of any immediate medical attention and special treatment needed: No additional information available.

## 5. FIREFIGHTING MEASURES

5.1 Extinguishing media: Not flammable

Suitable extinguishing media: Use water spray, alcohol-resistant foam, or TriClass, dry chemical extinguisher.

5.2 Special hazard arising from the substance or mixture: Thermal decompositions liberates sulfur dioxide.

5.3 Advice for firefighters: Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Wear laboratory grade gloves, eye protection and a lab coat.

6.2 Emergency procedures: Restrict unprotected personnel from the area.

6.3 Methods and material used for containment and cleanup procedure: Contain the spill with an inert absorbent material and deposit in a sealed container. Dispose of in accordance with you local regulations. Ventilate and wash spill area with soap and water.

## 7. HANDLING AND STORAGE

7.1 Precaution for safe handling: Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use hood or with adequate ventilation. Wash hands thoroughly after handling.

7.2 Storage: Acid cabinet. Keep container tightly closed in cool, well-ventilated area.

7.3 incompatibility: Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: TWA: 2 ppm (hydrochloric acid)

**8.2 Exposure controls:** Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits.

**Respiratory protection:** Non should be needed if normal laboratory handling at room temperature.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Colorless to slightly yellow.

**Odor:** Pungent

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** Not available

**Flash point:** 537.2 °C (hydrochloric acid)

**Autoignition:** Not available

**Flammability:** Not available

**Boiling point:** 37.08°C estimated (hydrochloric acid)

**Melting point:** -114.22°C (-173.6° F)

**Freezing point:** 3.33°C (38° F)

**Decomposition temp:** Not available

**Solubility:** Miscible in water

**Specific gravity (H<sub>2</sub>O = 1):** 1.18 g/cm<sup>3</sup> @ 25°C (hydrochloric acid)

**Percent volatile (%):** 66% estimated (hydrochloric acid)

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Incompatible materials.

**Incompatibilities:** Alkali metals, metals, organic materials, strong oxidizing agents, amines.

**Hazardous decomposition:** Not available.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eye: May cause eye irritation. Skin: Rare instances of allergic reactions have been reported in manufacturing settings. Inhalation: May cause respiratory track irritation and allergic reaction in susceptible individuals. Ingestion: May be harmful if swallowed.

Acute oral toxicity ORAL LD<sub>50</sub>: 900mg/kg [Rabbit], as hydrochloric acid

Acute vapor toxicity IHL-LC<sub>50</sub>: 3124ppm [Rat]/1h, as hydrochloric acid

DERMAL LD<sub>50</sub>: 1449mg/kg [Mouse], as hydrochloric acid

Acute oral toxicity ORAL LD<sub>50</sub>: 5000mg/kg [Rat], as basic fuchsin

### **Carcinogenicity:**

California prop 65: Basic Fuchsin (listed as C.I. Basic Red 9 monohydrochloride).

## 12. ECOLOGICAL INFORMATION

LC50 (Gambusia affinis) 96 hours: 282 mg/l (hydrochloric acid)

## 13. DISPOSAL CONSIDERATION

Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed

## 16. OTHER INFORMATION

### **Disclaimer:**

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