



## Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS)

### SECTION 1: Identification

#### 1.1. Product Identifier

**Trade Name or Designation:** Fuchsin-Carbol, Ziehl-Neelsen Formulation, for Staining Acid Fast Organisms

**Product Number:** 3220

**Other Identifying Product Numbers:** 3220-1, 3220-16, 3220-4

#### 1.2. Recommended Use and Restrictions on Use

General Laboratory Reagent

#### 1.3. Details of the Supplier of the Safety Data Sheet

**Company:** Ricca Chemical Company

**Address:** 448 West Fork Drive

Arlington, TX 76012 USA

**Telephone:** 888-467-4222

#### 1.4. Emergency Telephone Number (24 hours)

CHEMTREC (USA)

800-424-9300

CHEMTREC (International)

1+ 703-527-3887

# Safety Data Sheet

## SECTION 2: Hazard(s) Identification

### 2.1. Classification of the Substance or Mixture

For the full text of the Hazard and Precautionary Statements listed below, see Section 16.

Hazard Class	Category	Hazard Statements:	Precautionary Statements:
Acute Toxicity - Inhalation	Category 2	H330	P260, P271, P285, P304+P340, P310, P320, P403+P233, P405, P501
Skin Corrosion / Irritation	Category 1	H314	P260, P264, P280, P301+P330+P331, P303+P361+P353, P363, P304+P340, P310, P321, P305+P351+P338, P405, P501
Eye Damage / Irritation	Category 1	H318	P280, P305+P351+P338, P310
Carcinogenicity	Category 1	H350	P201, P202, P280, P308+P313, P405, P501
Reproductive Toxicity	Category 1	H360	P201, P202, P280, P308+P313, P405, P501
Specific Target Organs/Systemic Toxicity Following Single Exposure	Category 1	H370	P260, P264, P270, P307+P311, P321, P405, P501
Specific Target Organs/Systemic Toxicity Following Repeated Exposure	Category 2	H373	P260, P314, P501

### 2.2. GHS Label Elements

Pictograms:



Signal Word: **Danger**

Hazard Statements:

Hazard Number	Hazard Statement
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H350	May cause cancer.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.

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**Precautionary Statements:**

Precautionary Number	Precautionary Statement
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe fumes, mist, vapors, or spray.
P264	Wash arms, hands and face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection.
P285	In case of inadequate ventilation wear respiratory protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307+P311	IF exposed: Call a POISON CENTER or physician.
P308+P313	IF exposed or concerned: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P314	Get medical attention if you feel unwell.
P320	Specific treatment is urgent (Wash areas of contact with water immediately).
P321	Specific treatment (Wash areas of contact with water immediately).
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents in accordance with local, state, federal and international regulations.

**2.4. Hazards not Otherwise Classified or Covered by GHS**

Data not available.

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## SECTION 3: Composition / Information on Ingredients

### 3.1. Components of Substance or Mixture

Chemical Name	Formula	Molecular Weight	CAS Number	Weight%
Water	H <sub>2</sub> O	18.01 g/mol	7732-18-5	87.80
Ethyl Alcohol	CH <sub>3</sub> CH <sub>2</sub> OH	46.06 g/mol	64-17-5	7.52
Phenol	C <sub>6</sub> H <sub>5</sub> OH	94.11 g/mol	108-95-2	4.01
Methyl Alcohol	CH <sub>3</sub> OH	32.04 g/mol	67-56-1	0.38
Basic Fuchsin	C <sub>19</sub> H <sub>18</sub> ClN <sub>3</sub>	323.81 g/mol	569-61-9	0.30

## SECTION 4: First-Aid Measures

### 4.1. General First Aid Information

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Skin Contact:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Results in drying and cracking which can lead to secondary infections and dermatitis.

**Ingestion:** IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Do not induce vomiting. Give large quantity of water. Call a physician immediately.

### 4.2. Most Important Symptoms and Effects, Acute and Delayed

Causes severe skin burns and eye damage. Causes serious eye damage. Fatal if inhaled. May cause cancer. May damage fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. DANGER! May be harmful if swallowed. Contains a possible carcinogen. Avoid contact with skin, eyes, or clothing. If ingested, do not induce vomiting. Dilute with water and call a physician. Wash areas of contact with plenty of water. For eyes, get medical attention. EYE CONTACT: May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva. SKIN CONTACT: Results in drying and cracking which can lead to secondary infections and dermatitis. CHRONIC EFFECTS / CARCINOGENICITY: Contains a material that has shown to cause cancer in animals and may be linked to cancer in humans.

### 4.3. Medical Attention or Special Treatment Needed

Immediately call a POISON CENTER or physician. Specific treatment is urgent (Wash areas of contact with water immediately). Specific treatment (Wash areas of contact with water immediately). Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Wash areas of contact with soap and water for at least 15 minutes. Call a physician if irritation develops. Do not induce vomiting. Give large quantity of water. Call a physician immediately.



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### SECTION 5: Fire-Fighting Measures

#### 5.1. Extinguishing Media

Use dry chemical, alcohol foam, or carbon dioxide for extinguishing the surrounding fire.

#### 5.2. Specific Hazards Arising from the Substance or Mixture

Not considered to be a fire or explosion hazard.

#### 5.3. Special Protective Equipment for Firefighters

Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### SECTION 6: Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

#### 6.2. Cleanup and Containment Methods and Materials

Contain spill. Do not flush to sewer. Absorb with suitable inert material (vermiculite, dry sand, etc) and place in a chemical waste container for proper disposal in an approved waste disposal facility. Ventilate area of spill. Dispose of in accordance with local regulations.

### SECTION 7: Handling and Storage

#### 7.1. Precautions for Safe Handling and Storage Conditions

Store locked up. As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage. Empty containers may be hazardous since they retain product residues. Store at room temperature.

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### SECTION 8: Exposure Controls / Personal Protection

#### 8.1 Control Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
Phenol (108-95-2)	TWA	USA	5 ppm TWA; 19 mg/m <sup>3</sup> TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Phenol (108-95-2)	TLV-TWA	USA	5 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Phenol (108-95-2)	TWA	USA	"5 ppm TWA; 19 mg/m <sup>3</sup> TWA" As Phenol [108-95-2]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Phenol (108-95-2)	TLV-TWA	USA	"5 ppm TWA" As Phenol [108-95-2]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Phenol (108-95-2)	TWA	USA	"5 ppm TWA; 19 mg/m <sup>3</sup> TWA" As Phenol [108-95-2]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Phenol (108-95-2)	TLV-TWA	USA	"5 ppm TWA" As Phenol [108-95-2]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Phenol (108-95-2)	TLV-TWA	USA	"5 ppm TWA" As Phenol [108-95-2]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Phenol (108-95-2)	TWA	USA	"5 ppm TWA; 19 mg/m <sup>3</sup> TWA" As Phenol [108-95-2]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Phenol (108-95-2)	TLV-TWA	USA	"5 ppm TWA" As Phenol [108-95-2]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Phenol (108-95-2)	TWA	USA	"5 ppm TWA; 19 mg/m <sup>3</sup> TWA" As Phenol [108-95-2]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Ethyl Alcohol (64-17-5)	TWA	USA	"1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA" As Ethyl alcohol [64-17-5]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Ethyl Alcohol (64-17-5)	TLV-STEL	USA	"1000 ppm STEL" As Ethanol [64-17-5]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Ethyl Alcohol (64-17-5)	TWA	USA	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Ethyl Alcohol (64-17-5)	TLV-STEL	USA	1000 ppm STEL	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Ethyl Alcohol (64-17-5)	TLV-STEL	USA	"1000 ppm STEL" As Ethanol [64-17-5]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Ethyl Alcohol (64-17-5)	TWA	USA	"1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA" As Ethyl alcohol [64-17-5]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

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Ethyl Alcohol (64-17-5)	TLV-STEL	USA	"1000 ppm STEL" As Ethanol [64-17-5]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Ethyl Alcohol (64-17-5)	TWA	USA	"1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA" As Ethyl alcohol [64-17-5]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Ethyl Alcohol (64-17-5)	TLV-STEL	USA	"1000 ppm STEL" As Ethanol [64-17-5]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Ethyl Alcohol (64-17-5)	TWA	USA	"1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA" As Ethyl alcohol [64-17-5]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Methyl Alcohol (67-56-1)	TLV-STEL	USA	"250 ppm STEL" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Methyl Alcohol (67-56-1)	TWA	USA	"200 ppm TWA; 260 mg/m <sup>3</sup> TWA" As Methyl alcohol [67-56-1]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Methyl Alcohol (67-56-1)	TLV-TWA	USA	"200 ppm TWA" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Methyl Alcohol (67-56-1)	TWA	USA	"200 ppm TWA; 260 mg/m <sup>3</sup> TWA" As Methyl alcohol [67-56-1]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Methyl Alcohol (67-56-1)	TLV-TWA	USA	"200 ppm TWA" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Methyl Alcohol (67-56-1)	TLV-STEL	USA	"250 ppm STEL" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Methyl Alcohol (67-56-1)	TWA	USA	200 ppm TWA; 260 mg/m <sup>3</sup> TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Methyl Alcohol (67-56-1)	TLV-TWA	USA	200 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Methyl Alcohol (67-56-1)	TLV-STEL	USA	250 ppm STEL	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Methyl Alcohol (67-56-1)	TLV-TWA	USA	"200 ppm TWA" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Methyl Alcohol (67-56-1)	TLV-STEL	USA	"250 ppm STEL" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Methyl Alcohol (67-56-1)	TWA	USA	"200 ppm TWA; 260 mg/m <sup>3</sup> TWA" As Methyl alcohol [67-56-1]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

### 8.2. Exposure Controls

**Engineering Controls:** Use only outdoors or in a well-ventilated area. A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limit.

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**Respiratory Protection:** In case of inadequate ventilation wear respiratory protection. Normal room ventilation is adequate. If the exposure limit is exceeded, a full facepiece respirator with organic vapor cartridge may be worn.

**Skin Protection:** Wear protective gloves and eye protection. Chemical resistant gloves.

**Eye Protection:** Wear protective gloves and eye protection. Safety glasses or goggles.

### 8.3. Personal Protective Equipment

Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection. Normal room ventilation is adequate. If the exposure limit is exceeded, a full facepiece respirator with organic vapor cartridge may be worn. Chemical resistant gloves. Safety glasses or goggles.

## SECTION 9: Physical and Chemical Properties

### 9.1. Basic Physical and Chemical Properties

**Appearance:** Dark red liquid

**Physical State:** Liquid

**Odor:** Data not available.

**Odor Threshold:** Data not available.

**pH:** Data not available.

**Melting/Freezing Point:** Approximately 0°C

**Initial Boiling Point/Range:** Approximately 95°C - Approximately 95°C

**Flash Point:** Data not available.

**Evaporation Rate:** Data not available.

**Flammability:** Data not available.

**Flammability/Explosive Limits:** Data not available.

**Vapor Pressure:** Data not available.

**Vapor Density:** Data not available.

**Relative Density:** Data not available.

**Solubility:** Miscible

**Partition Coefficient:** Data not available.

**Auto-Ignition Temperature:** Data not available.

**Decomposition Temperature:** Data not available.

**Viscosity:** Data not available.

**Explosive Properties:** Data not available.

**Oxidizing Properties:** Data not available.



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### SECTION 10: Stability and Reactivity

#### 10.1. Reactivity and Chemical Stability

Stable under normal conditions of use and storage.

#### 10.2. Possibility of Hazardous Reactions

Data not available.

#### 10.3. Conditions to Avoid and Incompatible Materials

Strong Oxidizers, Calcium Hypochlorite, heat.

#### 10.4. Hazardous Decomposition Products

Will not occur.

### SECTION 11: Toxicological Information

#### 11.1. Information on Toxicological Effects

##### Acute Toxicity - Oral Exposure:

Not applicable.

##### Acute Toxicity - Dermal Exposure:

Not applicable.

##### Acute Toxicity - Inhalation Exposure:

Fatal if inhaled. Do not breathe fumes, mist, vapors, or spray. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. Specific treatment is urgent (Wash areas of contact with water immediately). Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

##### Acute Toxicity - Other Information:

LD50, Oral, Rat: (Methanol) 5628 mg/kg, (Phenol) 317 mg/kg, details of toxic effects not reported other than lethal dose value; (Ethanol) 7060 mg/kg, respiratory effects noted. LD50, Inhalation, Rat: 316 mg/m<sup>3</sup> (Phenol), details of toxic effects not reported other than lethal dose value. LD50, Dermal, Rat: 669 mg/kg (Phenol), behavioral, kidney, ureter, bladder, skin effects noted. Investigated as a tumorigen.

##### Skin Corrosion and Irritation:

Causes severe skin burns and eye damage. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water immediately). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

##### Serious Eye Damage and Irritation:

Causes serious eye damage. Wear protective gloves and eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

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**Respiratory Sensitization:**

Not applicable.

**Skin Sensitization:**

Not applicable.

**Germ Cell Mutagenicity:**

Not applicable.

**Carcinogenicity:**

May cause cancer. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Reproductive Toxicity:**

May damage fertility or the unborn child. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Specific Target Organ Toxicity from Single Exposure:**

Causes damage to organs. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF exposed: Call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water immediately). Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Specific Target Organ Toxicity from Repeated Exposure:**

May cause damage to organs through prolonged or repeated exposure. Do not breathe fumes, mist, vapors, or spray. Get medical attention if you feel unwell. Dispose of contents in accordance with local, state, federal and international regulations.

**Aspiration Hazard:**

Not applicable.

**Additional Toxicology Information:**

Data not available.

### SECTION 12: Ecological Information

**12.1. Ecotoxicity**

Not applicable.

**12.2. Persistence and Degradability**

Data not available.

**12.3. Bioaccumulative Potential**

Data not available.

**12.4. Mobility in Soil**

Data not available.

**12.5. Other Adverse Ecological Effects**

Data not available.



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### **SECTION 13: Disposal Considerations**

#### **13.1. Waste Treatment Methods**

Data not available.

### **SECTION 14: Transportation Information**

#### **14.1. Transportation by Land-Department of Transportation (DOT, United States of America)**

Not regulated according to DOT Regulations.

#### **14.2. Transportation by Air - International Air Transport Association (IATA)**

Not regulated according to IATA Dangerous Goods Regulations.

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### 14.3 Transportation of Dangerous Goods (TDG, Canada)

Not regulated according to TDG Regulations.

## SECTION 15: Regulatory Information

### 15.1. Occupational Safety and Health Administration (OSHA) Hazards

Not listed.

### 15.2. Superfund Amendments and Reauthorization Act (SARA) 302 Extremely Hazardous Substances

Phenol (CAS # 108-95-2): "1000 lb EPCRA RQ" As Phenol [108-95-2]

Phenol (CAS # 108-95-2): "500 lb lower TPQ; 10000 lb upper TPQ" As Phenol [108-95-2]

Phenol (CAS # 108-95-2): 1000 lb EPCRA RQ

Phenol (CAS # 108-95-2): 500 lb lower TPQ; 10000 lb upper TPQ

### 15.3. Superfund Amendments and Reauthorization Act (SARA) 311/312 Hazardous Chemicals

Phenol (CAS # 108-95-2): "1000 lb final RQ; 454 kg final RQ" As Phenol [108-95-2]

Phenol (CAS # 108-95-2): 1000 lb final RQ; 454 kg final RQ

Methyl Alcohol (CAS # 67-56-1): "5000 lb final RQ; 2270 kg final RQ" As Methanol [67-56-1]

Methyl Alcohol (CAS # 67-56-1): 5000 lb final RQ; 2270 kg final RQ

### 15.4. Superfund Amendments and Reauthorization Act (SARA) 313 Toxic Release Inventory (TRI)

Phenol (CAS # 108-95-2): "1.0 % de minimis concentration" As Phenol [108-95-2]

Phenol (CAS # 108-95-2): 1.0 % de minimis concentration

Methyl Alcohol (CAS # 67-56-1): "1.0 % de minimis concentration" As Methanol [67-56-1]

Methyl Alcohol (CAS # 67-56-1): 1.0 % de minimis concentration

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### 15.5. Massachusetts Right-to-Know Substance List

Phenol (CAS # 108-95-2): "Extraordinarily hazardous" As Phenol [108-95-2]  
Phenol (CAS # 108-95-2): Extraordinarily hazardous  
Basic Fuchsin (CAS # 569-61-9): "Carcinogen; Extraordinarily hazardous" As C.I. Basic Red 9 monohydrochloride [569-61-9]  
Basic Fuchsin (CAS # 569-61-9): Carcinogen; Extraordinarily hazardous  
Ethyl Alcohol (CAS # 64-17-5): "Teratogen" As Ethyl alcohol [64-17-5]  
Ethyl Alcohol (CAS # 64-17-5): Teratogen  
Methyl Alcohol (CAS # 67-56-1): "Present" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): Present

### 15.6. Pennsylvania Right-to-Know Hazardous Substances

Phenol (CAS # 108-95-2): "Environmental hazard" As Phenol [108-95-2]  
Phenol (CAS # 108-95-2): "Present" As Phenol [108-95-2]  
Phenol (CAS # 108-95-2): Environmental hazard  
Phenol (CAS # 108-95-2): Present  
Ethyl Alcohol (CAS # 64-17-5): "Present" As Denatured alcohols [RR-00113-8]  
Ethyl Alcohol (CAS # 64-17-5): "Present" As Ethanol [64-17-5]  
Ethyl Alcohol (CAS # 64-17-5): Present  
Methyl Alcohol (CAS # 67-56-1): "Environmental hazard" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): "Present" As Denatured alcohols [RR-00113-8]  
Methyl Alcohol (CAS # 67-56-1): "Present" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): Environmental hazard  
Methyl Alcohol (CAS # 67-56-1): Present  
Water (CAS # 7732-18-5): "Present" As Ethyl alcohol and water [RR-00802-6]  
Water (CAS # 7732-18-5): Present

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### 15.7. New Jersey Worker and Community Right-to-Know Components

Phenol (CAS # 108-95-2): "mutagen" As Phenol [108-95-2]  
Phenol (CAS # 108-95-2): "SN 1487 500 lb TPQ" As Phenol [108-95-2]  
Phenol (CAS # 108-95-2): "sn 1487" As Phenol [108-95-2]  
Phenol (CAS # 108-95-2): mutagen  
Phenol (CAS # 108-95-2): sn 1487  
Phenol (CAS # 108-95-2): SN 1487 500 lb TPQ  
Basic Fuchsin (CAS # 569-61-9): "carcinogen" As C.I. Basic Red 9, monohydrochloride [569-61-9]  
Basic Fuchsin (CAS # 569-61-9): "sn 3239" As C.I. Basic Red 9, monohydrochloride [569-61-9]  
Basic Fuchsin (CAS # 569-61-9): carcinogen  
Basic Fuchsin (CAS # 569-61-9): sn 3239  
Ethyl Alcohol (CAS # 64-17-5): "carcinogen; flammable - third degree; mutagen; teratogen" As Ethyl alcohol [64-17-5]  
Ethyl Alcohol (CAS # 64-17-5): "sn 0844" As Ethyl alcohol [64-17-5]  
Ethyl Alcohol (CAS # 64-17-5): carcinogen; flammable - third degree; mutagen; teratogen  
Ethyl Alcohol (CAS # 64-17-5): sn 0844  
Methyl Alcohol (CAS # 67-56-1): "flammable - third degree; teratogen" As Methyl alcohol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): "SN 1222 500 lb TPQ" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): "sn 1222" As Methyl alcohol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): flammable - third degree; teratogen  
Methyl Alcohol (CAS # 67-56-1): sn 1222  
Methyl Alcohol (CAS # 67-56-1): SN 1222 500 lb TPQ

### 15.8. California Proposition 65

Basic Fuchsin (CAS # 569-61-9): "3 µg/day NSRL" As C.I. Basic Red 9 monohydrochloride [569-61-9]  
Basic Fuchsin (CAS # 569-61-9): "carcinogen, 7/1/1989" As C.I. Basic Red 9 monohydrochloride [569-61-9]  
Basic Fuchsin (CAS # 569-61-9): 3 µg/day NSRL  
Basic Fuchsin (CAS # 569-61-9): carcinogen, 7/1/1989  
Ethyl Alcohol (CAS # 64-17-5): "carcinogen, 7/1/1988 (when associated with alcohol abuse); carcinogen, 4/29/2011" As Alcoholic beverages [RR-01961-4]  
Ethyl Alcohol (CAS # 64-17-5): "developmental toxicity, 10/1/1987 (listed under Ethyl alcohol in alcoholic beverages)" As Alcoholic beverages [RR-01961-4]  
Ethyl Alcohol (CAS # 64-17-5): carcinogen, 7/1/1988 (when associated with alcohol abuse); carcinogen, 4/29/2011  
Ethyl Alcohol (CAS # 64-17-5): developmental toxicity, 10/1/1987 (listed under Ethyl alcohol in alcoholic beverages)  
Methyl Alcohol (CAS # 67-56-1): "developmental toxicity, 3/16/2012" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): developmental toxicity, 3/16/2012

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### 15.9. Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)

Phenol (CAS # 108-95-2): "Present" As Phenol [108-95-2] (DSL)

Phenol (CAS # 108-95-2): Present (DSL)

Basic Fuchsin (CAS # 569-61-9): "Present (CEPA, subsection 81(3) applies)" As C.I. Basic Red 9 [569-61-9] (DSL)

Basic Fuchsin (CAS # 569-61-9): Present (CEPA, subsection 81(3) applies) (DSL)

Ethyl Alcohol (CAS # 64-17-5): "Present" As Alcohols, C1-3 [68475-56-9] (NDSL)

Ethyl Alcohol (CAS # 64-17-5): "Present" As Ethyl alcohol [64-17-5] (DSL)

Ethyl Alcohol (CAS # 64-17-5): Present (DSL)

Ethyl Alcohol (CAS # 64-17-5): Present (NDSL)

Methyl Alcohol (CAS # 67-56-1): "Present" As Alcohols, C1-3 [68475-56-9] (NDSL)

Methyl Alcohol (CAS # 67-56-1): "Present" As Methyl alcohol [67-56-1] (DSL)

Methyl Alcohol (CAS # 67-56-1): Present (DSL)

Methyl Alcohol (CAS # 67-56-1): Present (NDSL)

Water (CAS # 7732-18-5): "Present" As Water [7732-18-5] (DSL)

Water (CAS # 7732-18-5): Present (DSL)

### 15.10. United States of America Toxic Substances Control Act (TSCA) List

**All components of this solution are listed as active on the TSCA Inventory or are mixtures (hydrates) of active items listed on the TSCA Inventory.**

Phenol (CAS # 108-95-2): "Present (ACTIVE)" As Phenol [108-95-2]

Phenol (CAS # 108-95-2): Present (ACTIVE)

Basic Fuchsin (CAS # 569-61-9): "Present (ACTIVE)" As Benzenamine, 4,4'-[(4-imino-2,5-cyclohexadien-1-ylidene)methylene]bis-, hydrochloride (1:1) [569-61-9]

Basic Fuchsin (CAS # 569-61-9): Present (ACTIVE)

Ethyl Alcohol (CAS # 64-17-5): "Present (ACTIVE)" As Ethanol [64-17-5]

Ethyl Alcohol (CAS # 64-17-5): Present (ACTIVE)

Methyl Alcohol (CAS # 67-56-1): "Present (ACTIVE)" As Methanol [67-56-1]

Methyl Alcohol (CAS # 67-56-1): Present (ACTIVE)

Water (CAS # 7732-18-5): "Present (ACTIVE)" As Water [7732-18-5]

Water (CAS # 7732-18-5): Present (ACTIVE)

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### 15.11. European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)

Phenol (CAS # 108-95-2): "203-632-7" As Phenol [108-95-2]

Phenol (CAS # 108-95-2): 203-632-7

Basic Fuchsin (CAS # 569-61-9): "209-321-2" As 4,4'-(4-Iminocyclohexa-2,5-dienylidene)methylene)dianiline hydrochloride [569-61-9]

Basic Fuchsin (CAS # 569-61-9): 209-321-2

Ethyl Alcohol (CAS # 64-17-5): "200-578-6" As Ethanol [64-17-5]

Ethyl Alcohol (CAS # 64-17-5): 200-578-6

Ethyl Alcohol (CAS # 64-17-5): 270-649-4

Methyl Alcohol (CAS # 67-56-1): "200-659-6" As Methanol [67-56-1]

Methyl Alcohol (CAS # 67-56-1): 200-659-6

Methyl Alcohol (CAS # 67-56-1): 270-649-4

Water (CAS # 7732-18-5): "231-791-2" As Water [7732-18-5]

Water (CAS # 7732-18-5): 231-791-2

## SECTION 16: Other Information

### 16.1. Full Text of Hazard Statements and Precautionary Statements

Causes severe skin burns and eye damage. Fatal if inhaled. May cause cancer. May damage fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed: Call a POISON CENTER or physician. Get medical attention if you feel unwell. Specific treatment is urgent (Wash areas of contact with water immediately). Wash contaminated clothing before reuse.

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Dispose of contents in accordance with local, state, federal and international regulations.

### 16.2. Miscellaneous Hazard Classes

**Canadian Carcinogenicity Hazard Class:** Not Applicable.

**Physical Hazards Not Otherwise Classified (PHNOC):** Not Applicable.

**Health Hazards Not Otherwise Classified (HHNOC):** Not Applicable.

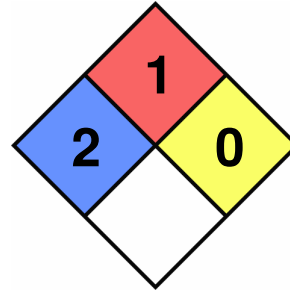
**Biohazardous Infectious Materials Hazard Class:** Not Applicable.



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### 16.3. National Fire Protection Association (NFPA) Rating

Health: 2  
Flammability: 1  
Reactivity: 0  
Special Hazard:



### 16.4. Document Revision

Last Revision Date: 2025-02-03

## DISCLAIMER

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.