



Section 1. Identification of the Substance/Mixture and the Company

1.1 Product Identifier	Product Name: Carbol Fuchsin Solution Product Number: CFZ	
1.2 Intended use	EN: Laboratory reagent. For professional use only. DA: Laboratoriereagens. Kun til professionelt brug. DE: Laboratoriumreagens. Alleen voor professioneel gebruik. EL: Αντιδραστήριο εργαστηρίου. Για επαγγελματική χρήση μόνο. ES: Reactivo de laboratorio. Sólo para uso profesional. FR: Réactif de laboratoire. Pour un usage professionnel uniquement. IT: Laboratorio di reagente. Solo per uso professionale. NL: Laboratoriumreagens. Alleen voor professioneel gebruik. PT: Reagente de laboratório. Para uso profissional. SV: Laboratoriereagens. Endast för yrkesmässig användning.	
1.3 Details of the supplier of the safety data sheet	Manufacturer	ScyTek Laboratories, Inc.
	Address	205 South 600 West Logan, Utah 84321 U.S.A.
	Phone Number	800-729-8350
	Fax Number	435-755-0015
	e-mail	scytek@scytek.com
	Website	scytek.com
1.4 Emergency telephone	(USA) CHEMTREC: 1-800-424-9300	

Section 2. Hazards Identification

2.1 GHS Classification	Skin Corrosion (Category 1B) – H314 Serious eye damage (Category 1) – H314 Germ cell mutagenicity (Category 2) – H341 Carcinogenicity (Category 1B) – H351 Specific target organ toxicity – H373 Flammable liquids (Category 3) – H226 Acute toxicity, Oral (Category 4), H302 Acute toxicity, Inhalation (Category 4), H332 Acute toxicity, Dermal (Category 4), H312	
2.2 Label Elements	Pictogram(s): <div style="text-align: center;">  </div> Signal word: Warning	


	<p>Hazard statement(s): H314 – Causes severe skin burns and eye damage H341 – Suspected of causing genetic defects H351 – Suspected of causing cancer H226 – Flammable Liquid and vapour H302 + H312 + H332 – Harmful if swallowed, in contact with skin, or if inhaled. H373 – May cause damage to organs through prolonged or repeated exposure.</p> <p>Precautionary statement(s): P202 Do not handle until all safety precautions [on SDS] have been read and understood.</p> <p>Precautionary statement(s) not listed on label: P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse.</p> <p style="font-size: small; text-align: center;">For Translations of Hazard and Precautionary statements, see Annex III of the CLP: https://echa.europa.eu/regulations/clp/legislation</p>								
NFPA Scale: 0-4									
HMIS (U.S.A.) Scale: 0-4	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e6f2ff;">HEALTH</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="background-color: #ffe4e1;">FLAMMABILITY</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #ffffe0;">PHYSICAL HAZARD</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">H</td> </tr> </table>	HEALTH	3	FLAMMABILITY	2	PHYSICAL HAZARD	0	PERSONAL PROTECTION	H
HEALTH	3								
FLAMMABILITY	2								
PHYSICAL HAZARD	0								
PERSONAL PROTECTION	H								
2.3 Other Hazards	<p>PBT: This mixture does not contain any substances that are assessed to be a PBT. vPvB: This mixture does not contain any substances that are assessed to be a vPvB.</p>								

Section 3. Composition and Information on Ingredients

3.2 Chemical Description: Mixture

*May contain additional non-hazardous proprietary ingredients.

*May contain additional active ingredients at concentrations <0.1%w/v.

Hazardous Ingredients:	CAS#	EC#	GHS Symbols	%
Ethanol	64-17-5	200-578-6	 Danger. 2 H225 Highly flammable liquid and vapour.	≤ 10

Safety Data Sheet








CFZ-SDS

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Revision: 4

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Phenol	108-95-2	203-632-7	 Danger. 3 H311 Toxic in contact with skin. 3 H331 Toxic if inhaled.  Warning. 2 H341 Suspected of causing genetic defects. STOT RE, 2 H371 May cause damage to organs. 2.H373 Causes damage to organs through prolonged or repeated exposure.  Danger. H314 Causes severe skin burns and eye damage.  Warning. 4 H302 Harmful if swallowed.  Warning. H402 Harmful to aquatic life.	≤ 5
Fuchsin, Basic	632-99-5	211-189-6	 Warning. 2 H315 Causes skin irritation. 2 H319 Causes serious eye irritation. 3 H335 May cause respiratory irritation.  Danger. 1A H350 May cause cancer.	≤ 0.5

Section 4. First Aid Measures

4.1 Description of first aid measures

Eye Contact: Check for and remove contact lenses. Immediately flush eyes with copious amounts of water. If eye irritation persists get immediate medical attention.

Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.

Inhalation: If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms worsen.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5. Fire Fighting Measures

5.1 Extinguishing Media | Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.

5.2 Special hazards arising from the substance or mixture	No unusual fire or explosion hazards expected.
5.3 Advice for firefighters	As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus.

6.2 Environmental precautions

Keep material away from heat, flame, ignition sources, and reactive materials. Don't allow product to enter drain.

6.3 Methods and materials for containment and cleaning up

Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

Section 7. Handling and Storage

7.1 Precautions for safe handling.

Avoid contact with skin and eyes.

Wash thoroughly after handling.

Avoid breathing vapor.

7.2 Conditions for safe storage, including any incompatibilities.

Store in well ventilated area.

Keep container tightly closed.

Store at 15-30°C.

7.3 Specific end use(s).

See section 1.2

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters	Exposure Limits: Ethanol: NIOSH REL: 1000 ppm (1900 mg/m ³) TWA OSHA PEL: 1000 ppm (1900 mg/m ³) TWA ACGIH TLV: 1000ppm (1900mg/m ³) TWA Phenol: NIOSH REL : TWA 5 ppm (19 mg/m ³) C 15.6 ppm (60 mg/m ³) [15-minute] [skin] OSHA PEL : TWA 5 ppm (19 mg/m ³) [skin]
8.2 Exposure controls	Personal Protective Equipment (PPE): Eye/Face protection. Safety glasses or goggles are required. Skin protection. Protective clothing is required. Hand protection. Chemical resistant gloves are required. Glove material must be resistant to the components of this product. Consult glove manufacturer for specific recommendations of appropriate material and thickness of glove.

	<p>Respiratory protection. Avoid breathing vapor.</p> <p>Environmental exposure controls. Avoid releasing large quantities into the environment. No additional information.</p>
Engineering Controls	Working area should be adequately large and well ventilated to prevent concentration of vapors. Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Opaque red
Odor	Odor of Phenol – tarry sweet
Odor Threshold	Unknown
pH	Unknown
Melting Point/ Freezing Point	Unknown
Initial Boiling Point	Unknown
Flash Point	Unknown
Evaporation Rate	Unknown
Flammability (solid, gas)	Unknown
Upper/Lower Flammability Limits	Unknown
Vapor Pressure	Unknown
Vapor Density	Unknown
Relative Density	Unknown
Solubility(ies)	Water
Partition Coefficient: n-octanol/water	Unknown
Auto-Ignition Temperature	Unknown
Decomposition Temperature	Unknown
Viscosity	Unknown
Explosive Properties	Not explosive.
Oxidizing Properties	Unknown

Section 10. Stability and Reactivity

10.1 Reactivity	No relevant data available.
10.2 Chemical Stability	Stable under normal temperatures and pressures.
10.3 Possibility of Hazardous Reactions	No hazardous reactions known.
10.4 Conditions to Avoid	Fire, static electricity, direct sunlight.
10.5 Incompatible Materials	Strong oxidizing agents.
10.6 Hazardous Decomposition Materials	Carbon oxides, Sulphur oxides.

Section 11. Toxicological Information

11.1 Information on Toxicological Effects.	<p>Acute Toxicity. No relevant data available</p> <p>Skin Corrosion/Irritation. Corrosive to skin and mucous membranes.</p> <p>Serious Eye Damage/Irritation. Corrosive to eye.</p> <p>Respiratory or skin sensitization. No relevant data available.</p> <p>Germ Cell Mutagenicity. Basic Fuchsin is a GHS category 2 mutagen.</p>
Carcinogenicity.	<p>International Agency for Research on Cancer (IARC). Group 2B: Possibly carcinogenic to humans (C.I. Basic red 9) Group 3: Not classifiable as to its carcinogenicity to humans (Phenol)</p> <p>National Toxicology Program (NTP). Reasonably anticipated to be a human carcinogen (C.I. Basic red 9)</p>

Section 12. Ecological Information

12.1 Toxicity	<p>Fish: No relevant studies identified.</p> <p>Crustacea: No relevant studies identified.</p> <p>Algae/Aquatic Plants: No relevant studies identified.</p> <p>Other Organisms: No relevant studies identified.</p>
12.2 Persistence and Degradability.	No relevant studies identified.
12.3 Bioaccumulative Potential.	No relevant studies identified.
12.4 Mobility in Soil.	Miscible in water. May spread in water systems. This component is non-volatile.
Additional Remarks	None.
12.5 Results of PBT and vPvB Assessment.	<p>PBT: This mixture does not contain any substances that are assessed to be a PBT.</p> <p>vPvB: This mixture does not contain any substances that are assessed to be a vPvB.</p>


Section 13. Disposal Considerations

13.1 Waste Disposal Methods.	Sewage disposal is discouraged. Waste should not be disposed of by release to sewers. Dispose waste in accordance with federal, state and local environmental control regulations.
Product/Packaging Disposal.	Final decisions on the appropriate waste management method must be in line with local, regional and national regulations.
Other Disposal Recommendations.	No relevant data available.

Section 14. Transport Information – DOT, IATA, IMDG, ADR

14.1 UN Number:	UN2920
14.2 UN Proper Shipping Name	Corrosive liquids, flammable, n.o.s. (Phenol, Ethanol)
14.3 Transport Hazard Class(es)	8 (3)

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14.4 Packing Group	II
14.5 Environmental Hazards	Marine Pollutant: No
14.6 Special Precautions for User	Not applicable.

Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.

Extremely Hazardous Substances; Section 355	None of the components in this mixture are listed.
Toxic Substances Control Act; TSCA	All of the components in this mixture are listed.
California Proposition 65	Benzidine-based Dyes (Fuchsin, Basic) are listed as causing cancer.
Right To Know Components	Massachusetts: Ethanol CAS #: 64-17-5 Phenol CAS #: 108-95-2 Pennsylvania: Ethanol CAS #: 64-17-5 Phenol CAS #: 108-95-2 New Jersey: Ethanol CAS #: 64-17-5 Phenol CAS #: 108-95-2
Other Regulations	SARA 302 Components: Phenol CAS #: 108-95-2 SARA 313 Components: Phenol CAS #: 108-95-2
15.2 Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by ScyTek Laboratories, Inc.
H Statements	Translations can be found in Annex III of the EU CLP Regulation (EC) No 1272/2008
P Statements	Translations can be found in Annex III of the EU CLP Regulation (EC) No 1272/2008

Section 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.