

1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Name:** Carbol-Fuchsin Stain, Ziehl Neelsen
Part Number: 1030
CAS-No.: Not applicable
SDS Number: 2460
- 1.2 Recommended Use:** Laboratory Chemicals
- 1.3 Company:** Newcomer Supply
 2505 Parview Road
 Middleton, WI 53562 USA
- Telephone:** 1-800-383-7799
Fax: 1-608-831-0866
Website: www.newcomersupply.com
Email: newly@newcomersupply.com

24 HOUR EMERGENCY CONTACT
 CALL CHEMTREC: 1-800-424-9300
 Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

2. HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture**
GHS Classification, (in accordance with 29 CFR1910.1200)
 Flammable liquid, Category 3
 Acute toxicity (oral), Category 4
 Acute toxicity (dermal), Category 3
 Acute toxicity (inhalation), Category 3
 Serious eye damage, Category 1
 Skin corrosion, Category 1
 Specific Target Organ Toxicity – Single exposure, Category 2
 Specific Target Organ Toxicity – Repeated exposure, Category 2
 Germ cell mutagenicity, Category 2
 Carcinogenicity, Category 1B

2.2 GHS Label elements

Signal Word DANGER

Pictogram



Hazard Statement(s):

- Flammable liquid and vapour
- Harmful if swallowed
- Toxic in contact with skin
- Toxic if inhaled
- Causes serious eye damage
- Causes severe skin burns and eye damage
- May cause damage to organs
- May cause damage to organs through prolonged or repeated exposure
- May cause cancer

Precautionary Statement(s):

Prevention:

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Keep away from heat/sparks/open flames/hot surfaces – No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof fume hood/electrical/ventilating/light/.../equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge

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- Wear protective gloves/protective clothing/eye protection/face protection
- Wash skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- Avoid breathing dust/fume/gas/mist/vapours/spray
- Do not breathe dust/fume/gas/mist/vapours/spray

Response:

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- In case of fire use carbon dioxide, dry chemical or alcohol-resistant foam.
- IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- IF ON SKIN: Gently wash with plenty of soap and water
- Call a POISON CENTER or doctor/physician if you feel unwell
- Get medical advice/attention if you feel unwell
- Specific treatment: see first aid measures in section 4
- Take off contaminated clothing and wash before reuse
- Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position 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 eye irritation persists get medical advice/attention
- Immediately call a POISON CENTER or doctor/physician

Storage:

- Store in a well ventilated place
- Store locked up

Disposal:

- Dispose of contents/ container to an approved waste disposal plant.

2.3 Description of any hazards not otherwise classified None

2.4 >1% of mixture with unknown acute toxicity None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Hazardous Components

Component		Concentration
Name	Ethyl Alcohol	
CAS-No.	64-17-5	8-9%
Name	Methyl Alcohol	
CAS-No.	67-56-1	<1%
Name	Isopropyl Alcohol	
CAS-No.	67-63-0	<1%
Name	Basic Fuchsin	
CAS-No.	569-61-9	<1%
Name	Phenol	
CAS-No.	108-95-2	4-5%

4.1 Description of necessary measures

Inhalation (breathing)

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IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

Eye Contact

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 doctor/physician.

Ingestion (swallowed)

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and or effects, acute and delayed

The most important symptoms/effects are presented in Section 2 and or Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES
5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

5.2 Specific hazards arising from the substance or mixture

No data available

5.3 Protective equipment and precautions for fire-fighters

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

NFPA Rating

Health	Fire	Reactivity
hazard: 2	hazard: 2	hazard: 0

6. ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use. In case of large spill, remove personnel to a safe area. Keep product away from heat, flame, ignition sources, and reactive materials. Avoid accumulation of vapor to form explosive concentration. Pay particular attention to low areas where vapor accumulates more easily.

6.2 Methods and material for containment and cleaning up

Eliminate sources of ignition. Apply personal protective equipment (see Section 8). Ensure proper ventilation. Contain spill. Prevent further leakage if possible and safe to do so. Evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations.

7. HANDLING AND STORAGE
7.1 Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces – No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

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7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control Parameters

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Ethyl Alcohol	64-17-5	OSHA PEL	TWA	1000 ppm (1900 mg/m ³)
		ACGIH TLV	TWA	1000 ppm (1880 mg/m ³)
		NIOSH REL	TWA	1000 ppm (1900 mg/m ³)

Component	CAS-No.	Regulatory	Value	Parameters
Methyl Alcohol	67-56-1	OSHA PEL	TWA	200 ppm (980 mg/m ³)
		ACGIH TLV	STEL	200 ppm (1,230 mg/m ³)
		ACGIH TLV	STEL	50 ppm (1,230 mg/m ³)
		NIOSH REL	TWA	200 ppm (980 mg/m ³)
		NIOSH REL	STEL	250 ppm (980 mg/m ³)

Component	CAS-No.	Regulatory	Value	Parameters
Isopropyl Alcohol	67-63-0	OSHA PEL	TWA	400 ppm (980 mg/m ³)
		ACGIH TLV	TWA	400 ppm (983 mg/m ³)
		ACGIH TLV	STEL	500 ppm (1,230 mg/m ³)
		NIOSH REL	TWA	400 ppm (980 mg/m ³)
		NIOSH REL	STEL	500 ppm (980 mg/m ³)

Component	CAS-No.	Regulatory	Value	Parameters
Phenol	108-95-2	OSHA PEL	TWA	5 ppm (19 mg/m ³)
		ACGIH TLV	TWA	5 ppm (19 mg/m ³)
		NIOSH REL	TWA	5 ppm (19 mg/m ³)
		NIOSH REL	C 15 min.	15.6 ppm (60 mg/m ³)

8.2 Exposure Controls
Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Use product in an appropriately designated fume hood. Take measures to keep concentrations below acceptable limits.

8.3 Personal Protective Equipment
Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

Body Protection

No data available

Respiratory Protection

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Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Ethyl Alcohol: Where the potential exists for exposure over 1,000 ppm: use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.

Exposure to 3,300 ppm is immediately dangerous to life and health. If the possibility of exposure above 3,300 ppm exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

In case of emergency, entry into or escape from unknown concentrations select the highest level approved respiratory protection available.

Other Information

None

9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties

Physical state	Dark red liquid
Odor	Pungent phenol odor
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Liquid is flammable
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	Water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY
10.1 Reactivity

No data available

10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, sparks, open flame, and ignition sources.

10.5 Incompatible materials

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Ethyl Alcohol: Strong oxidizers, potassium dioxide, bromine pentafluoride, acetyl bromide, acetyl chloride, platinum, sodium concentrated sulfuric acid, potassium and hydrogen peroxides, platinum black, calcium hypochlorite, silver oxide, ammonia, nitric acid, mercuric nitrate, silver nitrate, magnesium perchlorate, isocyanates, mineral acids, and chloroform.

10.6 Hazardous decomposition products

Carbon dioxide and carbon monoxide may be released if product is heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Inhalation exposure

Inhaling ethyl alcohol, methyl alcohol, and isopropyl alcohol can irritate the nose, throat and lungs causing coughing and/or shortness of breath.

Oral exposure

Oral exposure to ethyl alcohol, methyl alcohol, and isopropyl alcohol can cause headache, drowsiness, nausea and vomiting, and unconsciousness. It can also affect concentration and vision.

Dermal exposure

Contact can irritate the skin.

Skin corrosion/irritation

Ethyl alcohol: Prolonged or repeated exposure can cause drying and cracking of the skin with peeling, redness and itching. Phenol: Irritating and corrosive at high concentrations.

Serious eye damage/irritation

Ethyl alcohol: Contact can irritate the eyes. Phenol: Irritating and corrosive at high concentrations.

Respiratory or skin sensitization

Inhaling ethyl alcohol, methyl alcohol, and isopropyl alcohol can irritate the nose, throat and lungs causing coughing and/or shortness of breath.

Germ cell mutagenicity

Phenol is a mutagen and may cause genetic changes.

Reproductive toxicity

Repeated oral exposure to ethyl alcohol may cause spontaneous abortions, as well as birth defects and other developmental problems. This condition is referred to as "fetal alcohol syndrome." There is limited evidence that oral exposure to ethyl alcohol may decrease fertility in males.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Ethyl alcohol: Repeated high exposure may affect the liver and the nervous system. Phenol: High or repeated exposure can damage the liver, kidneys and nervous system.

Aspiration hazard

No data available

Acute toxicity

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Ethyl Alcohol:

LD50 rat oral 3450 mg/kg

LD50 mouse oral 7060 mg/kg

LC50 rat inhalation 20000 ppm/10H

LC50 mouse inhalation 20363 ppm/4H

Phenol:

LD50 rat oral 317 mg/kg

LD50 rat inhalation 0.9 mg/l/8 hours

LD50 rabbit dermal 630 mg/kg

Carcinogenicity

IARC: Basic Fuchsin: Group 2A, probable carcinogen

NTP: None of the components are listed

OSHA: None of the components are listed

Additional information

RTECS: No data available

12. ECOLOGICAL INFORMATION
12.1 Ecotoxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS
13.1 Waste disposal methods
Contents

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION
14.1 DOT (US)
UN-Number No data available

Proper shipping name No data available

Hazard class No data available

Packing group No data available

Environmental hazards No data available

15. REGULATORY INFORMATION
15.1 No data available

Version 1.0

16. OTHER INFORMATION

Preparation Information

Newcomer Supply Inc.

800-383-7799

www.newcomersupply.com

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