

SOUTHERN GROUP LABORATORY LIMITED

SAFETY DATA SHEET

SECTION 1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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1.1 Product identifier

Product name Dilute Carbol Fuchsin

SGL Product code 0301

This product is a mixture

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

Identified uses Reagent for laboratory analysis

Uses advised against No information on uses against available

1.3. Details of the supplier of the safety data sheet

Supplier Southern Group Laboratory,
Cavendish Courtyard, Sallow Road,
Weldon North Industrial Estate,
Corby, Northants,
United Kingdom.
NN17 5JX.

TEL: +44(0) 1536 403815

FAX: +44(0) 1536 403814

EMAIL: info@sglab.co.uk

Available 9am-5pm (UK time) Mon to Fri except UK public holidays

Emergency telephone NHS TEL (UK): 111
NHS Wales TEL (UK): 111 or 0845 46 47

3.2. Mixtures

Name	EC No.	CAS-No.	Concentration	Classification
Phenol	208-632-7	108-95-2	<0.5% v/v	Germ Cell Mutagenicity 2: H341 Acute Toxicity 3 (Oral): H301 Acute Toxicity 3 (Dermal): H311 Acute Toxicity 3 (Inhalation): H331 Specific Target Organ Toxicity (STOT), Repeated Exposure (RE) 2: H373 Skin Corrosion 1B: H314
Basic fuchsin	211-189-6	632-99-5	<0.1% w/v	Carcinogenicity 1B: H350
Ethanol	200-578-6	64-17-5	<1.0% v/v	Flammable Liquid 2: H225 Eye Irritation 2: H319
Methanol	200-659-6	67-56-1	<0.05% v/v	Flammable Liquid 2: H225 Acute Toxicity 3 (Inhalation): H331 Acute Toxicity 3 (Dermal): H311 Acute Toxicity 3 (Oral): H301 Specific Target Organ Toxicity (STOT), Single Exposure (SE) 1: H370

Composition comments The data shown are in accordance with Regulation (EC) No. 1272/2008.

SECTION 4.	FIRST-AID MEASURES
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4.1 Description of first aid measures

Inhalation Remove from exposure. In severe cases obtain medical attention.

Ingestion Wash out mouth thoroughly with water. In severe cases and/or if symptoms occur, obtain medical attention.

Skin contact Remove contaminated clothing avoiding contamination of unaffected areas and swab contaminated skin with glycerol, polyethylene glycol 400, or a mixture of liquid polyethylene glycol 70 parts and methylated spirits 30 parts for at least 10 minutes. Flush with water for at least 10 minutes if solvents are not immediately available. In severe cases, obtain medical attention.

Eye Contact Irrigate thoroughly with water for at least 15 minutes. Obtain medical attention if symptoms persist.

Self Protection of the first aider No special precautions identified

4.2 Most important symptoms and effects, both acute and delayed

None expected under normal circumstances. In extreme cases may cause nausea, vomiting and/or diarrhoea if ingested.

4.3. Indication of any immediate attention and special treatment needed

Notes for doctor No specific recommendations

SECTION 5.	FIRE – FIGHTING MEASURES
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5.1. Extinguishing media

Suitable extinguishing media Water fog, foam, carbon dioxide (CO₂), dry powder

Unsuitable extinguishing media None identified

Prevent fire fighting media from entering watercourses or ground water

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Possible generation of hazardous gases or vapours in event of fire

5.3. Advice for firefighters

Protective actions during firefighting Wear self contained breathing apparatus (SCBA)

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

Wear personal protective clothing as described in Section 8 of this safety data sheet

6.2. Environmental precautions

Should not be released into the environment

6.3. Methods and material for containment and cleaning up

Collect and seal material in closed container. Wear personal protective clothing as recommended in Section 8. Wash site of spillage thoroughly with water and detergent. Dispose as recommended in Section 13.

6.4. Reference to other sections

Section 8 for protective measures
Section 13 for disposal considerations

SECTION 7.	HANDLING AND STORAGE
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7.1 Precautions for safe handling

Wear personal protective clothing. Avoid contact with skin, eyes and clothing. Change contaminated clothing. Wash hands after working with material.

7.2 Conditions for safe storage, including any incompatibilities

Store according to label requirements. Keep closed and protected from direct sunlight.

7.3 Specific end use(s)

Use in laboratories

SECTION 8.	EXPOSURE CONTROLS/PERSONAL PROTECTION
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8.1 Control parameters

Component	CAS No	Long Term Exposure Limit (8 hr TWA Reference Period)	Short Term Exposure (15 Min Reference Period)	Basis	Comments
Phenol	108-95-2	2 ppm 7.8 mg/m ³	4 ppm 16 mg/m ³	UK. EH40 Workplace Exposure Limits	Can be absorbed through the skin.
Ethanol	64-17-5	1000 ppm 1920 mg/m ³	None	UK. EH40 Workplace Exposure Limits	None
Methanol	67-56-1	200 ppm 266 mg/m ³	250 ppm 333 mg/m ³	UK. EH40 Workplace Exposure Limits	Can be absorbed through the skin.

For those substances for which no short-term limit is specified, it is recommended that a figure of three times the long-term limit be used as a guideline for controlling short-term peaks in exposure.

8.2 Exposure controls

Engineering measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks.

Protective equipment



Eye/face protection

Safety glasses complying with Standard EN166.

Hand protection

Disposable nitrile rubber gloves complying with EC Directive 89/686/EEC and Standard EN374
 Glove thickness of 0.11mm
 See manufacturer's recommendations for break through times
 Material tested: Not applicable

Other skin and body protection Long sleeved clothing

Hygiene measures

Wash hands after use

Respiratory protection

None needed during normal use

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

Appearance	Liquid
Colour	Dark red
Odour	No data available
Odour 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)	No data available
Upper/lower flammability or explosive limits	
Lower explosion limit (VOL-%)	No data available
Upper explosion limit (VOL-%)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available

Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

9.2. Other information

None

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under storage at normal conditions

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

None known

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

None known

SECTION 11. TOXICOLOGICAL INFORMATION
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11.1 Information on toxicological effects

The acute toxicity data is based on the mixture

Acute oral toxicity	Classification criteria are not met
ATE_{mix}	>2000 mg/kg
Method	Calculation
Acute dermal toxicity	Classification criteria are not met
ATE_{mix}	>2000 mg/kg
Method	Calculation
Acute inhalation toxicity	Classification criteria are not met
ATE_{mix} (vapour)	>20 mg/l
Method	Calculation

Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT single exposure	No data available
STOT repeated exposure	No data available
Aspiration hazard	No data available

11.2 Additional information

In extreme cases may cause nausea, vomiting and/or diarrhoea if ingested.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

None known

SECTION 13.	DISPOSAL CONSIDERATIONS
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13.1 Waste treatment methods

Dispose of in accordance with applicable local and national regulations.

Waste should not be disposed of by release to sewers.

SECTION 14.	TRANSPORT INFORMATION
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Not classified as dangerous according to transport regulations

Land transport (ADR/RID) / Sea transport (IMDG) / Air transport (ICAO-TI/IATA-DGR)

14.1 UN number Not applicable

14.2 UN proper shipping name Not applicable

14.3 Transport hazard class(es) Not applicable

14.4 Packing group Not applicable

14.5 Environmental hazards No data available

14.6 Special precautions for user No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable, packaged goods.

SECTION 15.	REGULATORY INFORMATION
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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of Substances and mixtures (as amended).

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16.	OTHER INFORMATION
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16.1 Relevant H- and EUH-phrases (number and full text)

H225: Highly flammable liquid and vapour
H301: Toxic if swallowed
H311: Toxic in contact with skin
H314: Causes severe skin burns and eye damage
H319: Causes serious eye irritation
H331: Toxic if inhaled
H341: Suspected of causing genetic defects
H373: May cause damage to organs
H350: May cause cancer
H370: Causes damage to organs

16.2 Additional information

The above information is based on present knowledge, but does not purport to be inclusive and should only be used as a guide. Southern Group Laboratory shall not be held liable for any damage resulting from handling or from contact with the above product.

The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made up material.

16.3 Revision summary

Changes to this issue Reviewed against current manufacturing process and formulation. No changes required.

Revision Date: 07.12.2023
Issue No: 04

END OF SAFETY DATA SHEET