

Material Safety Data Sheet

Infosafe No. ACPU4 Issue Date: August 2002
Product Name: **CARBOL FUCHSIN**

ISSUED by SOUTBIOL

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name

Southern Biological (ABN 25 838 926 933)

Address

19-21 Worrell Street Nunawading
Vic 3131 Australia

Tel/Fax

Tel: +61 3 9877 4597 Fax: +61 3 9894 2309

IDENTIFICATION

Product Name

CARBOL FUCHSIN

Proper Shipping Name

PHENOL SOLUTIONS

UN Number

2821

DG Class

6.1

Packing Group

III

Hazchem Code

2X

Poisons Schedule

S6

Physical Data

Appearance

Dark pink, clear liquid with a phenol-like odour.

Melting Point

Not available

Boiling Point

Not available

Vapour Pressure

Not available

Specific Gravity

Not available

Flash Point

Not applicable

Flamm. Limit LEL

Not applicable

Flamm. Limit UEL

Not applicable

Solubility in Water

Soluble

Other Properties

pH Value

2.9

Stability

Stable.

Haz. Polymerization

Will not occur.

Materials to Avoid

Strong oxidizers, calcium hypochlorite, butadiene, nitrobenzene; explosive reactions can occur with formaldehyde, peroxodisulfuric acid, peroxomonosulfuric acid, aluminium chloride and sodium nitrate. When hot, this product may attack aluminium, magnesium, lead and some zinc metals. Some forms of plastic and rubber may be attacked by phenol.

Ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Phenol	108-95-2	1-10 %
	Other ingredients determined not to be hazardous		Balance

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed

Toxic if swallowed. Ingestion may cause nausea, vomiting, headache, dizziness, weakness, ringing in the ears, dim vision, breathing difficulty, cyanosis, loss of consciousness, delirium, coma and possible death. May cause cardiac arrhythmia, which is a change or disruption in the normal pattern or 'rhythm' of the heartbeat, and methemoglobinemia.

Acute - Eye

Eye contact will cause stinging, blurring, tearing and possible permanent corneal damage.

Acute - Skin

Toxic in contact with skin. Skin contact will cause redness, itchiness, irritation and chemical burns with resultant tissue destruction. Upon initial skin contact a white burn that is not initially painful due to deadening of the nerve endings may occur. Later intense pain and gangrene may develop. May be absorbed through the skin with resultant toxic effects.

Acute - Inhaled

Inhalation may irritate the respiratory system.

Chronic

Prolonged or repeated exposure may cause vomiting, difficulty swallowing, salivation, diarrhea, loss of appetite and weight, headache, fainting, dizziness, mental disturbances, kidney and liver damage, muscle pain, weakness, dark urine, skin eruptions and changes in pigmentation (brown spots on the knuckles).

First Aid

Swallowed

DO NOT INDUCE VOMITING. Wash out mouth with water and give plenty of water to drink. Seek immediate medical attention.

Eye

If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek immediate medical attention.

Skin

If skin contact occurs immediately remove any contaminated clothing. Wash skin thoroughly with soap and water then methylated spirit if available. Seek medical attention.

Inhaled

Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention.

First Aid Facilities

Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor

Advice to Doctor

Treat symptomatically or consult a Poisons Information Centre.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits	<u>Name</u>	mg/m³ (STEL)	ppm (STEL)	mg/m³ (TWA)	ppm (TWA)	<u>TWA Footnote</u>
	Phenol			4	1	

Eng. Controls

Ensure sufficient ventilation to keep airborne concentrations below exposure limits. Local exhaust ventilation is recommended.

Personal Protection

Respirator Type (AS 1716)

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Glove Type

Impervious PVC or rubber gloves should be worn.

Clothing

Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

Work/Hygienic Practices

Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

Flammability

Fire Hazards

This product is non-flammable.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions

Store in a cool, dry, well-ventilated area away from foodstuffs and incompatible materials. Protect from light. Keep containers tightly closed when not in use.

Transport

This material is classified as a Class 6.1 Dangerous Good according to the Australian Code for the Transport of Dangerous Goods. Class 6.1 Toxic substances are incompatible in a placard load with any of the following:

- Class 1, Explosives.
- Class 3, if the Class 3 dangerous goods are nitromethane.
- Class 5.1, if the Class 6 dangerous goods are fire risk substances.
- Class 5.2, if the Class 6 dangerous goods are fire risk substances.
- Class 8, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids;

And are incompatible with food and food packaging in any quantity.

ADG Proper Shipping**Name**

PHENOL SOLUTIONS

ADG EPG Number

6.0.004

ADG IERG Number

36

Packaging Method

5.9.6.1RT7,RT8

Spills and Disposal

Spills & Leaks

Increase ventilation. Evacuate all unnecessary personnel. Wear appropriate breathing apparatus and full protective clothing to minimise skin and eye exposure. Place inert, non-combustible absorbent such as vermiculite, sand or dirt onto material. Collect the material and place into a suitable labelled container for subsequent disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Disposal

Dispose of according to relevant local, state and federal government regulations.

Fire/Explosion Hazard

Fire/Explos. Hazard

This product is non-flammable.

Hazardous

Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, hydrogen chloride, ammonia and nitrogen oxides.

Fire Fighting

Procedures

Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

Extinguishing Media

Use water fog, foam or dry agent.

Hazchem Code

2X

OTHER INFORMATION

Toxicology

No toxicology data available for this product. However, the following data applies to product component Phenol:

LD50 (Oral, rat) = 317 mg/kg.

Environ. Protection

Do not allow product to enter drains, waterways or sewers.

Risk Statement

R24/25 Toxic in contact with skin and if swallowed.

R34 Causes burns.

Hazard Category

Toxic, Corrosive

CONTACT POINT

Contact

Southern Biological.

Peter Ball

Ph: +61 3 9877 4597 (BH)

0425 725 875 (AH)

...End Of MSDS...