

MATERIAL SAFETY DATA SHEET

DPIP SOLUTION
CAROLINA BIOLOGICAL

Revised: 07/29/08
Replaces: 07/10/07
Printed: 06/30/09

1. PRODUCT DESCRIPTION

Product Name: DPIP Solution
Product Code(s): 74-6863, 74-6470, 74-6471, 74-6475, 74-8202
Size: 10 mL, 60 mL
Chemical Name: N/A
Synonyms: 2,6-Dichloroindophenol solution
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components:
2,6-Dichloroindophenol, Sodium Salt(CAS#620-45-1) <0.1%
Water (balance)
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

While DPIP may be harmful by inhalation, ingestion or skin absorption, this very dilute solution would not be expected to pose a hazard to humans.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:
Skin contact - Wash with soap and water and rinse well.
Eye contact - Rinse thoroughly with water. Get medical attention should irritation develop.
Ingestion - Rinse mouth and drink plenty of water to dilute. Get medical attention should irritation develop.
Inhalation - Not expected to cause adverse effects from inhalation; get medical attention should breathing difficulties develop.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): N/A; not a fire hazard.
Extinguisher Media:
Use media appropriate for surrounding materials.
Flammable Limits in Air % by Volume: N/A
Autoignition Temperature: N/A
Special Firefighting Procedures:
Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: None known.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Use absorbent material to collect spilled liquid. Place in container for disposal. Wash spill site with water.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Store tightly closed in an area suitable for general chemical storage. Good personal hygiene should be practiced. Avoid contact with eyes, skin, and clothing.
May stain clothing.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type): None required under normal

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conditions of use.

Ventilation: Not required under normal conditions of use.

Good laboratory practices should be observed, which would include use of gloves, splash resistant goggles, and lab apron.

9. PHYSICAL DATA

Molecular Weight: Molecular weight of DPIP is 290.09; this is an aqueous solution of DPIP.
Melting Point: N/A
Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density(Air=1): N/A
Specific Gravity(H2O=1): N/A
Percent Volatile by Volume: N/A
Evaporation Rate(H2O=1): N/A
Solubility in Water: Soluble
Appearance and Odor: N/A

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: N/A

Incompatibility(Materials to Avoid): Water reactive materials; strong oxidizers.

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Effects of Overexposure:

Acute: See section 3.

Chronic: No chronic effects identified. Not listed as cancer causing by IARC, NTP, or OSHA.

12. ECOLOGICAL DATA

No information available.

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Not regulated for transportation.

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name List	CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
2,6-Dichloroindophenol, Sodium Salt	No	No	No	No

16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to

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the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists
CAS Number..Chemical Abstracts Service Number
CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act
DOT.....U.S. Department of Transportation
IARC.....International Agency of Research on Cancer
mppcf.....million particles per cubic foot
N/A.....Not Available
NTP.....National Toxicology Program
OSHA.....Occupational Safety and Health Administration
PEL.....Permissible Exposure Limit
ppm.....parts per million
RCRA.....Resource Conservation and Recovery Act
SARA.....Superfund Amendments and Reauthorization Act
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act