

MATERIAL SAFETY DATA SHEET

INDOPHENOL
CAROLINA BIOLOGICAL

Revised: 05/15/08
Replaces: 07/10/07
Printed: 05/20/08

1. PRODUCT DESCRIPTION

Product Name: 2,6-Dichloroindophenol
Product Code(s): 86-8600, 86-8601, 86-8602, 20-2500, 20-2501
Size: 1 g, 5 g, 10 g
Chemical Name: 2,6-Dichloroindophenol. Sodium salt
CAS Number: 620-45-1
Formula: C₁₂H₆Cl₂N·O₂·Na
Synonyms: Sodium 2,6-Dichloroindophenol
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

Principal Hazardous Components: 2,6-Dichloroindophenol, Sodium
Salt(CAS#620-45-1) 100%
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: May be harmful by inhalation, ingestion or skin
absorption.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering
eyelids occasionally. Get medical attention if irritation
persists.

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove
contaminated clothing. Launder contaminated clothing before reuse. Get
medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give plenty of water and induce
vomiting immediately as directed by medical personnel. Immediately call
a physician or poison control center. Never give anything by mouth to an
unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is
difficult; give artificial respiration if breathing has stopped. Keep
person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): Not applicable

NFPA Rating: Health: 2
Fire: 1
Reactivity: 0

Extinguisher Media:

Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: No data available.

Autoignition Temperature: No data available.

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved

MATERIAL SAFETY DATA SHEET

INDOPHENOL
CAROLINA BIOLOGICAL

Revised: 05/15/08
Replaces: 07/10/07
Printed: 05/20/08

self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: May react vigorously with oxidizers.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Store tightly closed in a cool, dry, well ventilated area suitable for general chemical storage.

Other Precautions: This material may cause permanent staining of clothes of other material.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

None needed under normal conditions of use with adequate ventilation.

NIOSH approved equipment should be worn if PELs are exceeded.

Ventilation:

Local Exhaust: Acceptable

Mechanical(General): Preferred

Special: No

Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab apron, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: 290.09

Melting Point: No data available.

Boiling Point: Decomposes

Vapor Pressure: Negligible as solid

Vapor Density(Air=1): No data available.

Specific Gravity(H2O=1): Greater than 1

Percent Volatile by Volume: Negligible as solid

Evaporation Rate(H2O=1): Not applicable

Solubility in Water: Freely soluble

Appearance and Odor: Dark green-black powder with no odor

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None known

Incompatibility(Materials to Avoid): Water reactive materials

Hazardous Decomposition Products: None expected

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: To the best of our knowledge, the toxicological properties of this mixture have not been thoroughly evaluated.

Effects of Overexposure:

Acute: See section 3

MATERIAL SAFETY DATA SHEET

INDOPHENOL
CAROLINA BIOLOGICAL

Revised: 05/15/08
Replaces: 07/10/07
Printed: 05/20/08

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

Conditions Aggravated by Overexposure: No information available

Target Organs: No information available

Primary Route(s) of Entry: No data available.

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

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

Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated

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 Chemical List Category		CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
		No	No	No	No
2,6-Dichloroindophenol, Sodium Salt	No	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 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