

# **MATERIAL SAFETY DATA SHEET**

INDOPHENOL  
CAROLINA BIOLOGICAL

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

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## **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: C12-H6-Cl2-N-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

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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(H<sub>2</sub>O=1): Greater than 1

Percent Volatile by Volume: Negligible as solid

Evaporation Rate(H<sub>2</sub>O=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

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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	SARA Sec. 313		CERCLA	RCRA
	Sec. 302	Name	Chemical	Sec. 103	Sec.
	TPQ	List	Category	RQ lbs.	261.33

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2,6-Dichloroindophenol, Sodium Salt	No	No	No	No	No
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## 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