



SIGMA-ALDRICH

Material Safety Data Sheet

Date Printed: 08/14/2002
Date Updated: 10/27/1999
Version 1.0

Section 1 - Product and Company Information

Product Name	2,6-DICHLOROINDOPHENOL SODIUM
Product Number	D1878
Brand	Sigma Chemical
Company	Sigma-Aldrich
Street Address	3050 Spruce Street
City, State, Zip, Country	SAINT LOUIS, MO, 63103, US
Technical Phone:	314 771 5765
Fax:	800 325 5052
Emergency Phone:	414 273 3850 Ext. 5996

Section 2 - Composition/Information on Ingredient

Substance Name	2,6-DICHLOROINDOPHENOL SODIUM	CAS #	620-45-1	SARA 313	No
Formula	C ₁₂ H ₇ Cl ₂ NO ₂ Na				
Synonyms	2,6-Dichloro-4-((p-hydroxyphenyl)imino)-2,5-cyclohexadien-1-one sodium salt, 2,6-Dichloroindophenol, sodium salt, Indophenol, 2,6-dichloro-, sodium salt, Sodium 2,6-dichloroindophenol, Sodium 2,6-dichloroindophenolate, Sodium, (p-((3,5-dichloro-4-oxo-2,5-cyclohexadien-1-ylidene)amino)phenoxy))- (7CI)				

Section 3 - Hazards Identification

Emergency Overview
Caution: Avoid contact and inhalation.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Dermal Exposure
In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A
Flammability: N/A

Extinguishing Media

Suitable
Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting

Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s)
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling
User Exposure
Avoid breathing dust. Avoid contact with eyes, skin, and clothing.

Storage
Suitable
Keep container closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

Engineering Controls
Mechanical exhaust required.

Personal Protective Equipment
Respiratory
NIOSH/MSHA-approved respirator.

Hand
Compatible chemical-resistant gloves.

Eye
Chemical safety goggles.

General Hygiene Measures
Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

Appearance
Color
Deep green

Form
Powder

Molecular Weight: 290.08 AMU

Property **Value**

pH
N/A

BP/MP Range
N/A

MP/MP Range
N/A

Freezing Point
N/A

Vapor Pressure
N/A

Vapor Density
N/A

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Saturated Vapor Conc. N/A
SG/Density N/A
Bulk Density N/A
Odor Threshold N/A
Volatiles% N/A
VOC Content N/A
Water Content N/A
Solvent Content N/A
Evaporation Rate N/A
Viscosity N/A
Partition Coefficient N/A
Decomposition Temp. N/A
Flash Point °F N/A
Flash Point °C N/A
Explosion Limits N/A
Autoignition Temp N/A
Solubility N/A

Section 10 - Stability and Reactivity

Stability
Conditions of Instability
Protect from moisture.
Conditions to Avoid
Protect from moisture.
Materials to Avoid
Strong oxidizing agents.

Hazardous Decomposition Products

Hazardous Decomposition Products
Carbon monoxide, Carbon dioxide, Hydrogen chloride gas, Nitrogen oxides.

Section 11 - Toxicological Information

Route of Exposure Multiple Routes

May be harmful by inhalation, ingestion, or skin absorption. May cause irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: GU5495000

Toxicity Data

Intraperitoneal - Mouse: 75 MG/KG (LD50)

Remarks: Tumorigenic/Active as anti-cancer agent.

Intravenous - Mouse: 180 MG/KG (LD50)

Section 12 - Ecological Information

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT

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Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Proper Shipping Name: None
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

US Classification and Label Text

US Statements

Caution: Avoid contact and inhalation.

United States Regulatory Information

SARA 313 Listed: No

TSCA Inventory Item: Yes

Section 16 - Other Information

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 1989 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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