



# 2,6-Dichlorophenolindophenol sodium salt hydrate

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Version: 1.4

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### 1.1. Product Identifier

**Product Form:** Substance

**Product Name:** 2,6-Dichloroindophenol sodium salt dihydrate

**CAS No:** 620-45-1

**Product Code:** VOLO10061

**Standard InChI:** InChI=1S/C12H7Cl2NO2.Na/c13-10-5-8(6-11(14)12(10)17)15-7-1-3-9(16)4-2-7;/h1-6,16H;/q;+1/p-1

### 1.2. Intended Use of the Product

**Use of the substance/mixture:** For laboratory research purposes.

### 1.3. Name, Address, and Telephone of the Responsible Party

#### Manufacturer

Volochem, Inc.  
2600 Hilltop Dr.  
Bldg B #C211  
Richmond, CA 94806

T 510.748.0159

[www.volochem.com](http://www.volochem.com)

### 1.4. Emergency Telephone Number

**Emergency Number** : 510-748-0159 (9a-5p M-F)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### Classification (GHS-US)

Not classified

### 2.2. Label Elements

#### GHS-US Labeling

Pictogram(s): None

Signal word: None

Hazard statement(s)

None

Precautionary statement(s)

None

### 2.3. Hazards not otherwise classified (HNOC) or not covered by GHS

No additional information available.

### 2.4. Unknown Acute Toxicity (GHS-US)

100% of the product consists of ingredient(s) of unknown acute toxicity.

Handle in accordance with prudent practices for working with hazardous chemicals.

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Name	Synonyms	Product Identifiers
2,6-Dichloroindophenol sodium salt dihydrate	None	VOLO10061 CAS No. 620-45-1

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries:** Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

**Symptoms/Injuries After Inhalation:** Overexposure may be irritating to the respiratory system.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation..

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** May be harmful if swallowed.

**Chronic Symptoms:** The chronic effects of this substance are unknown.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### 5.2. Special hazards arising from the substance or mixture

**Hazardous Combustion products:** Carbon oxides, nitrogen oxides (NOx), hydrogen chloride gas, sodium oxides

**Fire Hazard:** Product is not flammable, but may burn under fire conditions, releasing toxic gases.

**Explosion Hazard:** Product is not explosive.

#### 5.3. Advice for Firefighters

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4. NFPA Rating

Health hazard: 0

Fire: 1

Reactivity Hazard: 0

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

##### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

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**Emergency Procedures:** Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain and collect as any solid.

**Methods for Cleaning Up:** Collect spillage. Avoid generation of dust during clean-up of spills. Clear up spills immediately and dispose of waste safely.

### 6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking.

### 7.2. Conditions for Safe Storage

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

### 7.3. Specific End Use(s) For laboratory research purposes

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

Contains no substances with established occupational exposure limit values.

### 8.2. Exposure Controls

#### Appropriate Engineering Controls:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Avoid high dust concentration. Ensure adequate ventilation, especially in confined areas.

#### Personal Protective Equipment:

Gloves. Protective goggles. Insufficient ventilation: wear respiratory protection.



#### Hand Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye Protection:

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Respiratory Protection:

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Skin and body protection:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

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### Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State:	Solid
Appearance:	Dark green powder
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Relative Evaporation Rate (butylacetate=1):	No data available
Melting Point:	No data available
Boiling Point:	No data available
Flash Point:	No data available
Ignition temperature:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Flammability (solid, gas):	No data available
Vapor Pressure:	No data available
Relative Vapor Density at 20 °C:	No data available
Relative Density:	No data available
Specific Gravity:	No data available
Solubility:	soluble
Log Pow:	No data available
Log Kow:	No data available
Viscosity, Kinematic:	No data available
Viscosity, Dynamic:	No data available
Explosive Properties:	No data available
Oxidizing Properties:	No data available
Explosive Limits:	No data available
Bulk Density	0.42 g/l

### 9.2. Other Information

## SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity	No data available
10.2. Chemical Stability	Stable under recommended storage conditions
10.3. Possibility of Hazardous Reactions	No data available
10.4. Conditions to Avoid	Avoid moisture.
10.5. Incompatible Materials	Strong oxidizing agents
10.6. Hazardous Decomposition Products	Other decomposition products - no data available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

Acute Toxicity:	Oral LD50
	No data available

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### **Inhalation LC50**

no data available

### **Dermal LD50**

No data available

### **Other information on acute toxicity**

LD50 Intraperitoneal - mouse - 75 mg/kg

<b>Skin Corrosion/Irritation:</b>	No data available
<b>Serious Eye Damage/Irritation:</b>	No data available
<b>Respiratory or Skin Sensitization:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive Toxicity:</b>	No data available
<b>Specific Target Organ Toxicity (Single Exposure):</b>	No data available
<b>Specific Target Organ Toxicity (Repeated Exposure):</b>	No data available
<b>Aspiration Hazard:</b>	No data available
<b>Signs and symptoms of exposure:</b>	No data available

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1. Toxicity**

No data available

### **12.2. Persistence and Degradability**

No data available.

### **12.3. Bioaccumulative Potential**

No data available

### **12.4. Mobility in Soil**

No data available

### **12.5. Other Adverse Effects**

No data available

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

**Waste Disposal Recommendations:** Contact a licensed professional waste disposal service to dispose of this material. Dispose of waste material in accordance with all local, regional, national, and international regulations.

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### SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/IMDG/DOT

- 14.1. UN Number** Not regulated for transport
- 14.2. UN Proper Shipping Name**
- 14.3. Transport hazard class(es)**
- 14.4. Packing group**
- 14.5.1. Marine Pollutant**
- 14.5.2. Reportable Quantity**
- 14.6.1. Toxic Inhalation Hazard**
- 14.6.2. Mode specific comments**
- 14.6.3. Ground transportation - DOT (US)**
- 14.6.4. Marine transportation - IMDG**
- 14.6.5. Air transportation - IATA/ICAO**

### SECTION 15: REGULATORY INFORMATION

#### 15.1. US Federal Regulations

EPA TSCA Inventory

Listed

#### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Components

No SARA Hazards

#### 15.2. US State Regulations

##### California Proposition 65 List 2014

Not listed

##### Maine Chemicals of High Concern List 2012

Not listed

##### Massachusetts Right to Know Hazardous Substance List 2014

Not listed

##### New Jersey Right to Know Hazardous Substance List 2010

Not listed

##### Pennsylvania Right to Know Hazardous Substance List 2010

Not listed

### SECTION 16: OTHER INFORMATION

#### 16.1. Other Classifications

HMIS

Health hazard: 0

Chronic Health Hazard \*

Flammability: 0

Physical hazards: 0

Revision date : 1/3/2015

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**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

*Volochem chemicals are for research purposes only and are NOT intended for use as drugs, food additives, household goods, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.*

SDS US (GHS HazCom) - US Only