



UNISOURCE CHEMICALS PRIVATE LIMITED

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2,6-DICHLOROINDOPHENOL SODIUM SALT

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION:

Synonyms: 2,6-dichloro-4-[(4-hydroxyphenyl)imino]-2,5-cyclohexadien-1-one sodium salt.

CAS No.: 620-45-1.

Molecular Weight: 290.08.

Chemical Formula: O:C₆H₂(Cl₂):N-C₆H₄ONa

2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
2,6-Dichloroindophenol Sodium Salt	620-45-1	90-100%	No

3. HAZARDS IDENTIFICATION:

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substances and ensure prompt removal from skin, eyes and clothing.

Potential Health Effects

Inhalation: No adverse health effects expected from inhalation.

Ingestion: Extremely large oral doses may cause gastrointestinal disturbances.

Skin Contact: No adverse effects expected.

Eye Contact: High concentrations of dust may cause mechanical irritation.

Chronic Exposure: No information found.

4. FIRST AID MEASURES:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin: In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. **Do NOT** induce vomiting. **NEVER** give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appear.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

5. FIRE FIGHTING MEASURES:

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Fire Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide. In case of fire use water spray to cool fire expose containers.

Flash Point: Not available.

Auto-ignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health:1; Flammability:0; Instability:0.

6. ACCIDENTAL RELEASE MEASURES:

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE:

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a tightly closed container. Store in a cool, dry well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA-Final PEL's</u>
2,6-Dichloroindophenol Sodium Salt	None listed	None listed	None listed

OSHA Vacated PELs: 2,6-Dichloroindophenol Sodium Salt: No OSHA Vacated PELs are listed for this chemicals.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Powder

Appearance: Dark green powder.

Odor: Odorless.

Solubility: Soluble in water.

Density: No information found.

pH: No information found.

% Volatiles by volume @ 21 deg. C (70 deg. F)

Boiling Point: No information found.

Melting Point: No information found.

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate (BuAc=1): No information found.

10. STABILITY AND REACTIVITY:

Stability: Stable under ordinary conditions of use and storage. Hygroscopic.

Hazardous Decomposition Products: May produce carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen chloride when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizers and moisture.

Conditions to Avoid: Heat, moisture, air, incompatibles substances

11. TOXICOLOGICAL INFORMATION:

RTECS:

CAS# 620-45-1: GU5495000

LD50/LC50:

CAS# 620-45-1: Not available.

Carcinogenicity: CAS# 620-45-1: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: Not available.

Teratogenicity: Not available.

Reproductive Effects: Not available.

Neurotoxicity: Not available.

Mutagenicity: Not available.

Other Studies: Not available.

12. ECOLOGICAL INFORMATION:

Environmental Fate: No information available.

Environmental Toxicity: No data available

13. DISPOSAL CONSIDERATIONS:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed

RCRA U-Series: None listed.

14. TRANSPORT REGULATIONS:

Not regulated.

15. REGULATORY INFORMATION:

US FEDERAL

TSCA

CAS# 620-45-1 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313

Clean Air Act

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 620-45-1 is not present on state lists from CA, PA, MA, MN, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

EUROPEAN/INTERNATIONAL REGULATIONS

European Labeling in Accordance with EC Directives

Hazardous Symbols: Not available.

Risk Phrases: Not available.

Safety Phrases: Not available.

WGK (Water Danger/Protection)

CAS# 620-45-1: No information available

Canada – DSL/NDSL

CAS# 620-45-1 is listed on Canada’s DSL List.

Canada – WHMIS: not available.

CAS# 620-45-1 is not listed on Canada’s Ingredient Disclosure List.

Exposure Limits

16. OTHER INFORMATION:

DISCLAIMER:

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