

**Section I - Identification**
**Product Identity:** 2,2',3,4,4',5-Hexachlorobiphenyl 99% (BZ# 137)

**Product Number:** SCH-007

**Manufacturer:** Cerilliant Corporation  
 811 Paloma Drive, Suite A  
 Round Rock, TX 78665

**Phone:** 512-310-5100

**FAX:** 512-238-9129

**Emergency** 800-424-9300

**(ChemTrec)** 703-527-3887

**Section II - Hazard Information**
**Target Organs:** Liver, kidney, central nervous system, skin

**Signal Words:** Warning

**GHS/CLP Classification:**

STOT, repeated exposure-Cat 2



Aquatic toxicity, acute-Cat 1

Aquatic toxicity, chronic-Cat 1

**Hazard Statements:**

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P314 Get medical advice/attention if you feel unwell.

**EU Directives Classification:**
**Symbol of Danger:** N  
**Indication of Danger:** Dangerous to the environment

**Risk Phrases:**

R33 Danger of cumulative effects.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases:**

S35 This material and its container must be disposed of in a safe way.

S60 This material and its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

**Section III - Composition/Information on Ingredients**

Hazardous Components	CAS Number	Molecular Formula	Molecular Weight	EC Number	CLP Index Number	%
2,2',3,4,4',5-Hexachlorobiphenyl 99% (BZ# 137)	35694-06-5	C <sub>12</sub> H <sub>4</sub> Cl <sub>6</sub>	360.88	N/A	N/A	100

**Section IV - First Aid Measures**
**Eye Contact:** Flush eyes with copious amounts of water for a minimum of 15 minutes and consult a physician.

**Ingestion:** Do not induce vomiting. Rinse mouth with water and consult a physician.

**Skin Contact:** Wash affected areas with copious amounts of water and consult a physician.

**Inhalation:** Remove to fresh air. If breathing is disturbed, give artificial respiration while transporting to a medical facility.

## Section V - Fire Fighting Measures

Flash point: N/A

Flammable Limits:

Method Used: N/A

LEL: N/A

UEL: N/A

Autoignition Temperature: N/A

Extinguishing Media: Water spray, chemical, or carbon dioxide extinguisher.

Special Fire Fighting Procedures: Wear SCBA and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: N/A

## Section VI - Accidental Release Measures

Evacuate area. Remove all sources of ignition. Use inert absorbent to pick up all spilled material. Transfer to a suitable waste container with non-sparking tools. Wash spill site with appropriate cleaning agents to remove residual traces of spilled material.

## Section VII - Handling and Storage

Handling: Do not breathe dust or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged, repeated exposure. Wash thoroughly after handling.

Storage: Room Temperature. Protect from light. Keep container closed. Keep away from ignition sources.

## Section VIII - Exposure Controls/Personal Protection

As appropriate to quantity handled.

Ventilation-Local Exhaust: Use with forced ventilation.

General Mechanical: Normal laboratory air exchange.

Respiratory Protection: NIOSH approved cartridge type respirator with organic vapor cartridge with HEPA pre-filter recommended.

Eye Protection: Safety glasses with side shields or chemical safety goggles.

Protective Gloves: Compatible chemical resistant gloves.

Other Protective Clothing or Equipment: Lab Coat

Work/Hygienic Practices: Only experienced personnel should be allowed to handle this material.

Exposure Limits				
	OSHA PEL	ACGIH TLV	DFG MAK	Other Limits
2,2',3,4,4',5-Hexachlorobiphenyl 99% (BZ# 137)	N/A	N/A	N/A	NIOSH REL TWA 0.001 mg/m3 [PCBs]

## Section IX- Physical and Chemical Properties

Boiling Point (°C): N/A

Melting Point (°C): 76 - 77.4

Specific Gravity (Water =1): N/A

Vapor Pressure (mm Hg): 5.81E-07 @ 25°C

Vapor Density (Air =1): N/A

Evaporation Rate (Butyl Acetate =1): N/A

Solubility in Water: 0.00109 mg/L @ 20 °C

Appearance and Odor: Solid

## Section X- Stability and Reactivity

Stability: Stable

Conditions to Avoid: N/A

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and HCl gas

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**Section XI- Toxicological Information**


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**Routes of Entry:**      Inhalation: Yes                      Ingestion: Yes                      Skin: Yes

**Carcinogenicity:**      **IARC:**      Group 2A  
                                  **NTP:**      Reasonably anticipated to be a carcinogen.  
                                  **OSHA:**      N/A

**Symptoms of Exposure:**      Exposure to polychlorinated biphenyls can cause skin irritation and rash, chloracne, hyperpigmentation of skin, eye and mucous membrane irritation, nausea, vomiting, loss of weight, abdominal pain, jaundice, edema, headache, dizziness, nervousness, fatigue, muscular weakness, peripheral neuropathies, blindness, personality changes, irritability, liver and kidney damage and immune system damage.

**Toxicity Data:**

N/A

The toxicological properties of 2,2',3,4,4',5-Hexachlorobiphenyl 99% (BZ# 137) have not been fully investigated. It should be assumed to have toxic effects and, therefore, procedures appropriate for the safe handling of hazardous chemicals should be followed.

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**Section XII- Ecological Information**


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N/A

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**Section XIII- Disposal Considerations**


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Waste materials should be disposed of under conditions that meet Federal, State, and Local environmental control regulations. Contact a licensed waste disposal specialist to dispose of this material.

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**Section XIV- Transport Information**


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<b>DOT</b>		<b>IATA</b>	
Proper Shipping Name:	Polychlorinated biphenyls, solid	Proper Shipping Name:	Polychlorinated biphenyls, solid
UN Number:	3432	UN Number:	3432
Class:	9	Class:	9
Packing Group:	II	Packing Group:	II
PIH:	N	PIH:	N
Small quantities exempted		Small quantities exempted	

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**Section XV- Regulatory Information**


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N/A

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**Section XVI- Other Information**


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