

### SECTION-1: Identification of the substance / mixture and the company / undertaking

<b>Catalogue Number</b>	CS-T-103511
<b>Product Name</b>	PCB 138-13C12
<b>CAS No.</b>	208263-66-5
<b>Category</b>	Stable Isotope Reagent
<b>Synonyms</b>	13C12-2,2',3,4,4',5'-Hexachlorobiphenyl; 13C12-2,2',3,4,4',5'-HxCB; 13C12-PCB 138
<b>Brand</b>	Clearsynth Labs Ltd.
<b>Identified uses</b>	Laboratory Chemicals
<b>Uses advised against</b>	Not available
<b>Company</b>	Clearsynth Labs Ltd. Mumbai, India
<b>Emergency Phone #</b>	+91-22-245045900
<b>REACH No.</b>	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Not available

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

Code	Statement
H351	Not available
H373	Not available
H400	Not available
H410	Not available

### Precautionary Statement(s)

Code	Statement
P203	Not available
P260	Not available
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P318	Not available
P319	Get medical help if you feel unwell.
P391	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : PCB 138-13C12

CAS Number : 208263-66-5

Molecular Formula :  $^{13}\text{C}_{12}\text{H}_{10}\text{Cl}_6$

Molecular Weight : 372.79

Parent Chemical : .

Synonyms : 13C12-2,2',3,4,4',5'-Hexachlorobiphenyl; 13C12-2,2',3,4,4',5'-HxCB; 13C12-PCB 138

Concentration : Not available

### SECTION 4: First aid measures

#### SECTION 4: First-aid measures

##### 4.1 Description of first aid measures

- General advice: Remove contaminated clothing and shoes. Seek medical attention if symptoms occur or persist.
- Inhalation: Move person to fresh air. If breathing is difficult, seek medical attention.
- Skin contact: Wash with plenty of soap and water. Seek medical attention if irritation develops.
- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
- Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

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

- Not available.

##### 4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.
- Not available.

## SECTION 5: Firefighting measures

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media: Use extinguishing measures appropriate to surrounding fire (e.g., dry chemical, carbon dioxide, foam, water spray).
- Unsuitable extinguishing media: Not available.

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

- Thermal decomposition may produce hazardous fumes/vapors including hydrogen chloride and chlorinated compounds.
- Not available.

#### 5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Cool containers with water spray if exposed to fire.
- Prevent fire-fighting water from entering drains or waterways.

## SECTION 6: Accidental release measures

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel.
- Avoid breathing dust/vapors and avoid contact with skin and eyes.
- Use appropriate personal protective equipment (see Section 8).

#### 6.2 Environmental precautions

- Avoid release to the environment.
- Prevent entry into drains, surface water, and soil.

#### 6.3 Methods and material for containment and cleaning up

- Contain spill. Collect using inert absorbent material.
- Place in a suitable, labeled container for disposal.
- Clean contaminated area with appropriate cleaning methods; avoid generating dust.

#### 6.4 Reference to other sections

- See Section 8 for personal protective equipment and Section 13 for disposal considerations.

## SECTION-7: Handling and storage

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Handle in accordance with good laboratory hygiene and safety practice.
- Avoid contact with skin and eyes. Avoid breathing dust/vapors.
- Use only with adequate ventilation (e.g., fume hood).
- Wash hands thoroughly after handling.

#### 7.2 Conditions for safe storage, including any incompatibilities

- Store tightly closed in original container.
- Store in a cool, dry, well-ventilated place.
- Protect from heat and sources of ignition.
- Incompatibilities: Not available.

### 7.3 Specific end use(s)

- Stable isotope reagent. For laboratory/research use only.

## SECTION 8: Exposure controls / personal protection

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

- Occupational exposure limits: No data available.
- Biological limit values: No data available.

#### 8.2 Exposure controls

- Appropriate engineering controls: Use local exhaust ventilation or fume hood to minimize exposure.
- Personal protective equipment (PPE):
  - Eye/face protection: Safety glasses with side shields or chemical splash goggles.
  - Skin protection: Protective gloves (chemical-resistant). Protective clothing/lab coat.
  - Respiratory protection: If ventilation is inadequate, use appropriate respiratory protection.
  - Hygiene measures: Do not eat, drink, or smoke when using this product. Wash hands after handling.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available

Property	Value
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

## SECTION 10: Stability and reactivity

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#### 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

- Heat, open flames, and other ignition sources.

- Not available.

#### 10.5 Incompatible materials

- Not available.

#### 10.6 Hazardous decomposition products

- Hydrogen chloride and chlorinated compounds may form under fire/thermal decomposition.

- Not available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- Acute toxicity: No data available.

- Skin corrosion/irritation: No data available.

- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure

- No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- Not available.

## SECTION 12: Ecological information

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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 Results of PBT and vPvB assessment

- No data available.

12.6 Endocrine disrupting properties

- No data available.

12.7 Other adverse effects

- Avoid release to the environment. No data available.

## SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not discharge to drains or the environment.
- Treat as hazardous waste unless determined otherwise by applicable regulations.
- Contaminated packaging: Dispose of as unused product.

## SECTION 14: Transport information

### SECTION 14: Transport information

- UN number: Not available.
- UN proper shipping name: Not available.
- Transport hazard class(es): Not available.
- Packing group: Not available.
- Environmental hazards: Not available.
- Special precautions for user: Not available.
- Transport in bulk according to IMO instruments: Not available.

### SECTION 15: Regulatory information

#### SECTION 15: Regulatory information

##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- No data available.

##### 15.2 Chemical safety assessment

- No data available.

### SECTION 16: Other information

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- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

#### Disclaimer:

- The information provided is based on available product information and is intended for guidance for safe handling. Not all properties and hazards may be known. Users are responsible for compliance with applicable laws and regulations.

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