# 2,3,4,7,8-Pentachlorodibenzofuran

**IDENTIFICATION NUMBERS**

- **CAS:** 57117-31-4

**MORE INFORMATION**

- **Synonyms:** 2,3,4,7,8-PeCDF

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

*No classifications available*

## Specific health risks

### Endocrine disruptors

Substances with endocrine disrupting activity

**DISRUPTOR LEVEL**

NS, UE1, OSF

### According to IARC

Substances classified as carcinogens or mutagens Category 2 under the CLP Regulation (GHS), bearing H351 and/or H341 phrases. These are substances suspected of causing cancer or heritable genetic mutations in humans.

| IARC GROUP | IARC VOLUME |
|---|---|
| Grupo 1 | 100F; 2012 |

**IARC NOTES**

Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data

## Specific environmental risks

### Persistent organic pollutants

Substances identified as persistent organic pollutants

| POP | LINK |
|---|---|
| C | http://www.sustainlabour.org/pops/index.php?option=com_content&task=view&id=70&Itemid=207&lang=es |

## Environmental regulations

### LPCIC (EPER)

Priority substances and specific pollutants within the EU water policy framework, established by the Water Framework Directive (2000/60/EC) and the Priority Substances Directive (2008/105/EC and amendments). Substances posing significant risk to European surface waters and subject to Environmental Quality Standards (EQS).

| EPER WATER | EPER AIR |
| --- | --- |
| | 1 |

| EPER SOIL |
| --- |
| 1 |

### EPER Air

Substances from List 2 of Annex III of the IPPC Directive (integrated into the Industrial Emissions Directive 2010/75/EU). Pollutants that may affect surface and groundwater bodies and must be considered in the integrated environmental authorisation of industrial installations.

### EPER Soil

Substances from List 3 of Annex III of the IPPC Directive (integrated into the Industrial Emissions Directive 2010/75/EU). Substances present in waste generated by IPPC installations that must be controlled and minimised within the framework of best available techniques.

## Restriction/prohibition regulations

### Major accident hazards (Seveso)

Hazardous substances listed in Annex I of the Seveso III Directive (Directive 2012/18/EU), transposed in Spain by Royal Decree 840/2015. Their presence in industrial establishments in quantities equal to or above established thresholds triggers obligations to implement major accident risk control measures.