2,3,7,8-tetrachlorodibenzo[b,e][1,4]dioxin@TCDD@

IDENTIFICATION NUMBERS

- **CAS:** 1746-01-6
- **EC/EINECS:** 217-122-7
- **International Chemical Safety Card (ICSC):** 1467

MORE INFORMATION

- **Molecular Formula:** C12H4Cl4O2
- **Synonyms:** 2,3,7,8-TCDD, 2,3,7,8-tetraclorodibenzo-p-dioxina

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

No classifications available

Specific health risks

Carcinogens (other sources)

Substances classified as carcinogens or mutagens Category 3 under the Dangerous Preparations Directive criteria (pre-CLP). Substances with limited evidence or indications of carcinogenicity or mutagenicity.

CATEGORY	SOURCE
CP, N-1	CP65, NTP

Endocrine disruptors

Substances with endocrine disrupting activity

DISRUPTOR LEVEL
NS, UE1, OSF

Neurotoxic substances

Substances with neurotoxic effects

LEVEL
1

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	69, 100F; 2012

Specific environmental risks

Persistent bioaccumulative and toxic

Substances identified as Persistent, Bioaccumulative and Toxic (PBT) according to the criteria of Annex XIII of the REACH Regulation. They pose a special risk of accumulation in the environment and in the food chain.

SOURCES	LINK
OSPAR	http://www.ospar.org/v_substances/get_page.asp?v1=1746016.xls

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=68&Itemid=208&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.