# diphenyl ether, tetrabromo derivative@2,2,4,4-Tetrabromodiphenyl ether

### IDENTIFICATION NUMBERS

- **CAS:** 40088-47-9
- **EC/EINECS:** 254-787-2

### MORE INFORMATION

- **Molecular Formula:** C12H6Br4O
- **Synonyms:** 1,1'-oxi-bis(tetrabromobenceno), 2,2',4,4'-tetrabromodifenil eter, tetrabromo difenil eter, 2,2',4,4'- tetrabromo difenileter, 2,2,4,4-tetraBDE, tetrabromobifenil eter

### USES

flame retardant

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

*No classifications available*

## Specific health risks

### Endocrine disruptors

Substances with endocrine disrupting activity

**DISRUPTOR LEVEL**

UE1

### 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**

Grupo 2B

**IARC VOLUME**

(VOL. 41, SUPL. 7; 1987)

## Specific environmental risks

### Aquatic toxicity (Water Framework Directive)

Substances classified with acute aquatic toxicity under the CLP Regulation (H400 phrase, Aquatic Acute 1). They present an immediate hazard to aquatic organisms, and their use or discharge can cause rapid damage to aquatic ecosystems.

### Persistent organic pollutants

Substances identified as persistent organic pollutants

| POP | LINK |
| --- | --- |
| Annex I, part AAnnex III, part BAnnex IVAnnex V, part 2 | https://chem.echa.europa.eu/activity-lists/popsProcess |

## 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 |
| --- | --- |
| true | false |

| EPER SOIL |
| --- |
| true |

### EPER Water

Substances from List 1 of Annex III of the IPPC Directive (integrated into the Industrial Emissions Directive 2010/75/EU). Atmospheric pollutants —including $SO_2$, NOx, heavy metals and organic compounds— that must be taken into account when setting emission limit values for IPPC 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

### Substances under PACT evaluation

Substances under active regulatory monitoring through ECHA's PACT (Public Activities Coordination Tool). Allows tracking which regulatory authorities are examining a substance and what potential regulatory actions are being considered (restriction, SVHC identification, harmonised classification, etc.).