bis(pentabromophenyl) ether@decaBDE@DBDPO

IDENTIFICATION NUMBERS

- **CAS:** 1163-19-5
- **EC/EINECS:** 214-604-9

MORE INFORMATION

- **Molecular Formula:** C12Br10O
- **Synonyms:** oxido de decabromodifenil, decabromo difenil 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 3

IARC VOLUME

(VOL. 48, VOL. 71; 1999)

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, REACH	http://www.ospar.org/v_substances/get_page.asp?v1=1163195.xls

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 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

MPMB

Substances classified as very Persistent and very Bioaccumulative (vPvB) according to Annex XIII of the REACH Regulation. Although not necessarily toxic in themselves, their extreme persistence and bioaccumulation in living organisms represent a long-term environmental risk.

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

Restricted substances under REACH

Substances listed in Annex XVII of the REACH Regulation (EC) No 1907/2006, subject to restrictions on their manufacture, placing on the market or use. Restrictions may be total or partial, limiting specific applications, maximum concentrations or user groups.

NOTES

1. Shall not be manufactured or placed on the market as a substance on its own after 2 March 2019. 2. Shall not be used in the production of, or placed on the market in: (a)another substance, as a constituent; (b)a mixture; (c)an article, or any part thereof, in a concentration equal to or greater than 0,1 % by weight, after 2 March 2019. 3. Paragraphs 1 and 2 shall not apply to a substance, constituent of another substance or mixture that is to be used, or is used: (a)in the production of an aircraft before 2 March 2027. (b)in the production of spare parts for either of the following: (i)an aircraft produced before 2 March 2027; (ii)motor vehicles within the scope of Directive 2007/46/EC, agricultural and forestry vehicles within the scope of Regulation (EU) No 167/2013 of the European Parliament and of the Council or machinery within the scope of Directive 2006/42/EC of the European Parliament and of the Council, produced before 2 March 2019. 4. Subparagraph 2(c) shall not apply to any of the following: (a)articles placed on the market before 2 March 2019; (b)aircraft produced in accordance with subparagraph 3(a); (c)spare parts of aircraft, vehicles or machines produced in accordance with subparagraph 3(b); (d)electrical and electronic equipment within the scope of Directive 2011/65/EU. 5. For the purposes of this entry ‘aircraft’ means one of the following: (a)a civil aircraft produced in accordance with a type certificate issued under Regulation (EU) No 216/2008 of the European Parliament and of the Council or with a design approval issued under the national regulations of a contracting State of the International Civil Aviation Organisation (ICAO), or for which a certificate of airworthiness has been issued by an ICAO contracting State under Annex 8 to the Convention on International Civil Aviation; (b)a military aircraft.

REACH Candidates

Substances of Very High Concern (SVHC) identified by ECHA and included on the REACH Candidate List. These are substances with CMR, PBT, vPvB or endocrine disrupting properties liable to be included in Annex XIV (authorisation). Their inclusion generates notification obligations for articles containing them.

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.).