(1α,2α,3α,4β,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane@1-alpha,2-alpha,3-alpha,4-beta,5-alpha,6-beta-Hexachlorocyclohexane@Cyclohexane, 1,2,3,4,5,6-hexachloro-, delta-isomer@Cyclohexane, delta-1,2,3,4,5,6-hexachloro-@delta-(Aeeeee)-1,2,3,4,5,6-hexachlorocyclohexane@delta-BHC@delta-Benzene hexachloride@delta-Benzenehexachloride@delta-HCH@delta-Hexachlorocyclohexane@delta-Lindane

Name (English): (1α,2α,3α,4β,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane@1-alpha,2-alpha,3-alpha,4-beta,5-alpha,6-beta-Hexachlorocyclohexane@Cyclohexane, 1,2,3,4,5,6-hexachloro-, delta-isomer@Cyclohexane, delta-1,2,3,4,5,6-hexachloro-@delta-(Aeeeee)-1,2,3,4,5,6-hexachlorocyclohexane@delta-BHC@delta-Benzene hexachloride@delta-Benzenehexachloride@delta-HCH@delta-Hexachlorocyclohexane@delta-Lindane

IDENTIFICATION NUMBERS

- **CAS:** 319-86-8
- **EC/EINECS:** 206-272-9

MORE INFORMATION

- **Molecular Formula:** C6H6Cl6
- **Synonyms:** delta-HEXACLOROCICLOHEXANO, delta-HCH, delta-1,2,3,4,5,6-HEXACLOROCICLOHEXANO, 1alfa,2alfa,3alfa,4ß,5alfa,6ß-HEXACLOROCICLOHEXANO

USES

pesticide

⚠ **Black list — Substances particularly hazardous to the environment or health**

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS06

Acute toxicity (oral, dermal, inhalation)



GHS08

Respiratory sensitisation



GHS09

Hazardous to the aquatic environment

Signal word: **Danger**

H Phrases

H351 : Suspected of causing cancer

Carc. (Cat. 2) : Carcinogenicity

H301 : Toxic if swallowed

Acute Tox. (Cat. 3 *) : Acute toxicity

H312 : Harmful in contact with skin

Acute Tox. (Cat. 4 *) : Acute toxicity

H400 : Very toxic to aquatic life

Aquatic Acute (Cat. 1) : Hazardous to the aquatic environment

H410 : Very toxic to aquatic life with long lasting effects

Aquatic Chronic (Cat. 1) : Hazardous to the aquatic environment

Notes

- R.1272-Note A
- R.1272-Note C

Specific health risks

Endocrine disruptors

Substances with endocrine disrupting activity

DISRUPTOR LEVEL

UE2

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. 20, SUPL. 7; 1987)

Carcinogens and mutagens (Regulation 1272/2008)

Substances classified as carcinogenic or mutagenic under Regulation 1272/2008

Specific environmental risks

Atmospheric emissions

Substances subject to atmospheric emission limitations under the Industrial Emissions Directive (2010/75/EU) and its Spanish transposition. Includes pollutants regulated in industrial installation emission permits and best available technique reference documents (BAT/BREF).

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 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.

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.