1,1,1,2,3,3,3-heptafluoropropane

IDENTIFICATION NUMBERS

- **CAS:** 431-89-0
- **EC/EINECS:** 207-079-2

MORE INFORMATION

- **Molecular Formula:** C3HF7
- **Synonyms:** HEPTAFLUOROPROPANO, HFC-227ea

USES

flame retardant

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

No classifications available

Specific environmental risks

Hazardous water substances (Germany)

Substances classified with chronic aquatic toxicity under the CLP Regulation (H410–H413 phrases, Aquatic Chronic categories 1 to 4). They pose a long-term hazard to aquatic organisms, even at low concentrations and through prolonged exposure.

MMA CLASSIFICATION

1

Climate change

Substances with the potential to contribute to climate change through direct or indirect greenhouse effects. Includes fluorinated greenhouse gases regulated by Regulation (EU) No 517/2014 and other substances with high global warming potential (GWP).

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

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.).