

EU New Hazard Classes 2023 for:

Persistent, Bioaccumulative & Toxic

very Persistent & very Bioaccumulative

Substance Classification

Persistent

Any of the following:

	Persistent	Very Persistent
Sample	Degradation Half Life	Degradation Half Life
Marine Water	> 60 Days	> 60 Days
Fresh Water	> 40 Days	> 60 Days
Marine Sediment	> 180 Days	> 180 Days
Fresh Water Sediment	> 120 Days	> 180 Days
Soil	> 120 Days	> 180 Days

Bioaccumulative

Test	Bioaccumulative	Very Bioaccumulative
BCF in aquatic species	> 2000	> 5000

Toxic

Any of the following:

- Long Term NOEC (or EC10) < 0.01 mg/L
- Substance is classified as Carc. (Cat 1A/1B) or Muta. (Cat. 1A/1B) or Repro (Cat. 1 or 2)
- Substance is classified as STOT RE (Cat. 1 or 2)
- Substance is classified as ED HH (Cat. 1) or ED ENV (Cat. 1)

Applies to Organic Substances (Including Organic Metals)

Classification	PBT	vPvB
Pictogram	-	-
Signal Word	Danger	Danger
Hazard Statement	EUH440 Accumulates in the environment and living organisms including in humans	EUH441 Strongly accumulates in the environment and living organisms including in humans
Precautionary Statement Prevention	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood. P273 - Avoid release to the environment.	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood. P273 - Avoid release to the environment.
Precautionary Statement Response	P391 - Collect spillage.	P391 - Collect spillage.
Precautionary Statement Disposal	P501 - Dispose of contents/container to ...	P501 - Dispose of contents/container to ...

*Precedence applies, EUH441 should not appear where EUH440 applies

Mixture Classification

Product CLP Class	Concentration Limits Triggering the classification of a Mixture as:	
	Persistent Bioaccumulative and Toxic (PBT)	Very Persistent and Very Bioaccumulative (vPvB)
Component Classified as PBT	C ≥ 0.1 %	-
Component Classified as vPvB	-	C ≥ 0.1 %