

## EU New Hazard Classes 2023 for:

### Persistent, Mobile & Toxic

### very Persistent & very Mobile

#### 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

##### Mobile

Organic Carbon-water Partition Coefficient	Mobile	Very Mobile
Log K <sub>oc</sub>	< 3	< 2
Ionisable substances (pH 4-9) Log K <sub>oc</sub>	< 3	< 2

##### 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	PMT	vPvM
Pictogram	-	-
Signal Word	Danger	Danger
Hazard Statement	<b>EUH450</b> Can cause long-lasting and diffuse contamination of water resources	<b>EUH451</b> Can cause very long-lasting and diffuse contamination of water resources
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, EUH451 should not appear where EUH450 applies

#### Mixture Classification

Product CLP Class	Concentration Limits Triggering the classification of a Mixture as:	
	Persistent Mobile and Toxic (PMT)	Very Persistent and Very Mobile (vPvM)
Component Classified as <b>PMT</b>	C ≥ 0.1 %	-
Component Classified as <b>vPvM</b>	-	C ≥ 0.1 %