

Norway

Compound	CAS#	EQS sediment (mg/kg dw)	EQS biota (µg/kg ww)	Yr	TDG#27	Updated TGD	EU risk PNEC	Key study ref	Klimish score	AF	Why this AF?
Butylbenzylphthalat (BBP)	85-68-7	na	na	na	na	na	na	na		na	
di(2-ethylhexyl)adipat (DEHA)	103-23-1	na	na	na	na	na	na	na		na	
DEHP	117-81-7	10	2900	2016	Y	N	yes	= 48ug/kg/d ww og sed	1	100	tdg
diisononylphthalat (DINP)	28553-12-0	na	na	na	na	na	na	na		na	
PCB (congener #28, #52, #101, #138, #153, #180)		na*	na	na	na	na	na	na		na	
As	7440-38-2	18	na (61 ug/kg/d) not BMF	2016	Y	N	no	EqP-0.5 ug/L should use EURAR (201		10	tdg
Cu	7440-50-8	210 (fw)/84 (sw)	na (163 ug/kg/d) (AF =100)	2016	Y	N	yes	EqP-0.5 ug/L	1	1	no data
Cr (CrIII)	7440-47-3	112 (fw)/660 (sw)	na (TDI = 5 ug/kg/d)	2016	Y	N	yes	EqP-PNEC = 4.7 ug/L	1	10	tdg
Ni	7440-02-0	na	na	na	na	na	na	na		na	
Zn	7440-66-6	139	na (TDI = 300 ug/kg/d)	2016	Y	N	yes	488 mg/kg acute	1	10	tdg
Benzo[a]pyren	50-32-8	0.18	5	2016	Y	N	yes	EU value	1	10	tdg
Fluoranthen	206-44-0	0.4	na	2016	Y	N	yes	EU value	1	10	TGD
Tributyltin (TBT)	36643-28-4	0.00002	150	2016	Y	N	yes	= 0.25 ug/kg/d og 0.00	1	30	TGD
Hexachlorocyclohexan (HCH)	608-73-1	0.000074 (sw)	na	2016	Y	N	no	0.2 ug/L	2	0 fw/100sv	TGD

*Only available data is for PCB7 including carcinogenic congeners

na: not assessed

fw: freshwater

sw: marine water

Table A. Assessment criteria
Year of publication
Was the principles of TDG#27 used?
Was improvements/updates to TDG#27 (March 2018) used?
PNEC from EU risk assessments used?
What and why was the AF used?
What was the key tox study used – CRED or Klimish?
Which species was used in the study? [A]
Was higher tier SSD or cosm testing tox values used?
Was an added risk model used for metals?
What type of sediment was used in the test?
What is the protection aim (multifunctional, hum or eco)?
Any country specific aspects driving the EQS?
What is the legal status (binding or guidance) of the EQS in the country (up for review)?
Is the EQS recalculated from freshwater (EqP modelling)?
Is there a differentiation between sediment and freshwater EQS (e.g. for DEHP)?
How reliable is the PNEC (1-3)? [B]
How relevant for DK is the PNEC (1-3)? [C]

Spe	SSD	Cosm	Added risk	Sediment type (foc)	Aim	Specifics used	Status	EQP used?	Reliability (1-3) (1 = 100%; 3 = 0%)	Relevance DK (1-3) (1 = 100%; 3 = 0%)	Ref
na	na	na	na	na	na	na	na	na	0	0	na
na	na	na	na	na	na	na	na	na	0	0	na
Frø	no	no	na	1%		1% foc	In place since 2016	no	1	1 and 1	M-608;2016 + M241; 2014
na	na	na	na	na	na	na	na	na	0	0	na
na	na	na	na	na	na	na	na	na	0	0	na
D pulex	no	no	no	1%		1% foc	In place since 2016	yes	2	2.5 sedi and 2 biota (EA and RIVM data)	M-608;2016 + M241; 2014
NA	yes	no	yes	1%		1% foc	In place since 2016	yes	2 data can be improved	2 sedi 2 biota	M-608;2016 + M241; 2014
C dubia	no	no	yes	1%		1% foc	In place since 2016	yes	1	2	M-608;2016 + M241; 2014
na	na	na	na	na	na	na	na	na	0	0	na
H aztteca	no	no	yes	1%		1% foc	In place since 2016	s - but correctly not use	2	2 sedi 2 biota	M-608;2016 + M241; 2014
krebsdyr	no	no	na	1%		1% foc	In place since 2016	yes	1	2 sedi 1 biota	M-608;2016 + M241; 2014
S knabeni	no	no	na	1%		1% foc	In place since 2016	s - but correctly not use	1	2 sedi 1 biota	M-608;2016 + M241; 2014
A tonsa	yes	no	na	1%		1% foc	In place since 2016	yes	1	2 sedi 1 biota	M-608;2016 + M241; 2014
Baetis noec	no	no	na	1%		1% foc	In place since 2016	no	1	2 sedi	M-608;2016 + M241; 2014

The Netherlands

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Butylbenzylphthalat (BBP)	85-68-7	4.66 (fw)/ 0.466 (sw)	na	2007	N	N	Y	na	2	10/100	A, I, F
di(2-ethylhexyl)adipat (DEHA)	103-23-1	na	na	na	na	na	na	na	na	na	na
DEHP	117-81-7	59	na	2007	N	N	Y	na	2	10	I, M, A
diisononylphthalat (DINP)	28553-12-0	na	na	na	na	na	na	na	na	na	na
PCB (congener #28, #52, #101, #138, #153, #180)		na*	na	na	na	na	na	na	na	na	na
As	7440-38-2	na	na	na	na	na	na	na	na	na	na
Cu	7440-50-8	na	na	na	na	na	na	na	na	na	na
Cr	7440-47-3	na	na	na	na	na	na	na	na	na	na
Ni	7440-02-0	na	na	na	na	na	na	na	na	na	na
Zn	7440-66-6	na	na	na	na	na	na	na	na	na	na
Benzo[a]pyren	50-32-8	na	na	na	na	na	na	na	na	na	na
Fluoranthen	206-44-0	na	na	na	na	na	na	na	na	na	na
Tributyltin (TBT)	36643-28-4	na	na	na	na	na	na	na	na	na	na
Hexachlorocyclohexan (HCH)	608-73-1	na	na	na	na	na	na	na	na	na	na

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sw: marine water

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** A=Algae, I = Invertebrates, F= Fish, M= Microorganisms, A = Amphibian

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How relevant for DK is the PNEC (1-3)? [C]

Sweden

Compound	CAS#	EQS sediment (mg/kg dw)	EQS biota ug/kg ww)	Yr	TDG#27	Updated TGD	EU risk PNEC	Key study ref	Klimish score	AF	Why this AF?	Species	SSD
Butylbenzylphthalat (BBP)	85-68-7	na	na	na	na	na	na	na	na	na	na	na	na
di(2-ethylhexyl)adipat (DEHA)	103-23-1	na	na	na	na	na	na	na	na	na	na	na	na
DEHP	117-81-7		3000		na	no	na	na	na	na	na	Crustaceaens	na
diisononylphthalat (DINP)	28553-12-0	na	na	na	na	na	na	na	na	na	na	na	na
PCB (congener #28, #52, #101, #138, #153, #180)		na*	na	na	na	na	na	na	na	na	na	na	na
As	7440-38-2	na	na	na	na	na	na	na	na	na	na	na	na
Cu	7440-50-8	36	na		na	no	na		na	na	na	Crustaceaens	na
Cr	7440-47-3	0,7-7	4.3	2008	no	no	no	na	na	1000	na	na	no
Ni	7440-02-0	na	na	na	na	na	na	na	na	na	na	na	na
Zn	7440-66-6	na	na	na	na	na	na	na	na	na	na	na	na
Benzo[a]pyren	50-32-8	na	5		yes	no	yes	EU Biota value	1	na	na	Crustaceaens	na
Fluoranthen	206-44-0	2	30		yes	no	yes	EU Biota value	1	na	na	Crustaceaens	na
Tributyltin (TBT)	36643-28-4	0.0016	na	2018	Yes	no	yes	EC10 = 0.98 ug/kg dw	1	10	tdg	Crustaceaens	yes
Hexachlorocyclohexan (HCH)	608-73-1	na	na	na	na	na	na	na	na	na	na	na	na

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