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Agenda item 3: Offshore Monitoring Programme

Lists of substances addressed under the Convention for the Protection of the Marine Environment of the North-East Atlantic (the 'OSPAR Convention') (i.e. LSPC and PLONOR), and by Cefas OCNS (i.e. CHARM)

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Introduction

The Mediterranean Offshore Action Plan in the framework of the Protocol for the Protection of the Mediterranean Sea against Pollution resulting from Exploration and Exploitation of the Continental Shelf and the Seabed and its Subsoil (Mediterranean Offshore Action Plan) adopted by the Nineteenth Ordinary Meeting of the Contracting Parties to the Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean (Barcelona Convention) and its Protocols, which was held in Athens, Greece, from 9 to 12 February 2016, under Specific Objective 7.c, requests Contracting Parties to identify the required modifications of Annex I, II and III to the Protocol for the protection of the Mediterranean Sea against pollution resulting from exploration and exploitation of the continental shelf and the seabed and its subsoil (Offshore Protocol) and definition of which chemicals should be covered and not covered by such standards and under which conditions.

The lists of substances already prepared by the Convention for the Protection of the Marine Environment of the North-East Atlantic (the 'OSPAR Convention'), for instance the List of Substances of Possible Concern (LSPC), the List of Substances Used and Discharged Offshore which Are Considered to Pose Little or No Risk to the Environment (PLONOR), and the Offshore Chemical Notification Scheme (OCNS) Chemical Hazard and Risk Management (CHARM) from the Centre for Environment, Fisheries and Aquaculture Science (Cefas), reproduced in Annex I, Annex II and Annex III to current document respectively are being proposed in the context of the suggested changes to Annex II to the Offshore Protocol, as detailed in document UNEP(DEPI)/MED WG.434/3.

Annex I:

OSPAR List of Substances of Possible Concern (LSPC):

SECTION A	
Chemical name	Function
2-propanol, 1-(tert-dodecylthio)-	Aliphatic hydrocarbon
benzene, bis(1-methylethyl)-	Aromatic hydrocarbon
oestradiol	Hormones
oestron	Hormones
1,4-benzenediamine, N-(1,4- dimethylpentyl)-N'-phenyl-	Organic nitrogen compound
benzene, 1,1'-oxybis[2,3,4,5,6- pentabromo-	Organohalogen
dibenzo[def,mno]chrysene-6,12-dione, 4,10-dibromo-	Organohalogen
phenol, 2,4-dichloro-5-nitro-, carbonate(2:1) (ester)	Organohalogen
alkanes, C10-13, chloro	Organohalogen
lead, tetraethyl-	Organometallic compound
pyrene	PAH
acenaphthylene, 1,2-dihydro-	PAH
anthracene	PAH
perlyo[3,4-cd:9,10-c'd']dipyran-1,3,8,10- tetrone	PAH
[1,1'-bianthracene]-9,9',10,10'-tetrone, 4,4'-diamino-	PAH
phenol, 2,6-bis(1-methylpropyl)-	PAH
terphenyl	PAH
naphthalene, bis(1-methylethyl)-	PAH
nonylphenoethoxylate	Phenol
phenol, 2-(2H-benzotriazol-2-yl)-4,6- bis(1,1-dimethylpropyl)-	Phenol
phenol, 4-nonyl-, branched	Phenol
phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)-	Phenol
furo[3,4-b]pyridin-7(5H)-one, 5-[4-(diethylamino)-2-ethoxyphenyl]-5-(1-	Furan
17-ethynylestradiol	Hormones
17alpha-ethynyl-1,3,5[10]-estratriene-3,17beta-diol 3-methyl ether	Hormones
pregn-4-ene-3,20-dione, 17-[(1- oxohexyl)oxy]-	Hormones
propanoic acid, 2-[4-(2,2- dichlorocyclopropyl)phenoxy]-2-methyl-,	Organic ester
phosphorodithioic acid, O,O-diisooctyl ester	Organic ester
benzenamine, 2,3,4,5,6-pentachloro-	Organic nitrogen compound
1,4-benzenediamine, N,N'-di-2- naphthalenyl-	Organic nitrogen compound
1,4-benzenediamine, N,N'-bis(1-ethyl-3- methylpentyl)-	Organic nitrogen compound
2-naphthalenamine, N,N-bis(2- chloroethyl)-	Organic nitrogen compound
1-pyrenamine	Organic nitrogen compound
1-octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-	Organic nitrogen compound
benzenamine, 4,4'-methylenebis[N-(1- methylpropyl)-	Organic nitrogen

	compound
benzenamine, 4,4'-methylenebis[2,6- diethyl-	Organic nitrogen compound
9,10-anthracenedione, 4,8-diamino-2-(4- ethoxyphenyl)-1,5-dihydroxy-	Organic nitrogen compound
methanone, (2-butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diodophenyl]-,	Organic nitrogen compound
benzenamine, 4-(2,6-diphenyl-4- pyridinyl)-N,N-dimethyl-	Organic nitrogen compound
2-anthracenecarboxamide, 1-amino-N-(3- bromo-9,10-dihydro-9,10-dioxo-2-	Organic nitrogen compound
1,4-benzenediamine, N,N,N'-tris(1- methylpropyl)-	Organic nitrogen compound
methylum, tris[4-(dimethylamino)phenyl]-, salt with 3-[[4-	Organic nitrogen compound
benzenesulfonic acid, 2-amino-, (1- methylethylidene)di-4,1-phenylene ester	Organic nitrogen compound
2-butanone, O-[[[[1,3,3-trimethyl-5-[[[[1-methylpropylidene)amino]oxy]carbonyl]a	Organic nitrogen compound
astemizole	Organic nitrogen compound
9,10-anthracenedione, 1-amino-2-bromo-4-[(4-methylphenyl)amino]-	Organic nitrogen compound
phenol, 4,4'-(1-methylethylidene)bis[2,6- dichloro-	Organohalogen
benzene, hexabromo-	Organohalogen
benzene, pentabromomethyl-	Organohalogen
phenol, 2,4,5-trichloro-	Organohalogen
benzene, 1,2,3,4-tetrachloro-	Organohalogen
1,1'-biphenyl, chlorinated	Organohalogen
1,1'-biphenyl, 2,2',3,3',4,4',5,5',6,6'- decachloro-	Organohalogen
1,1'-biphenyl, 2,2',4,4'-tetrachloro-	Organohalogen
1,1'-biphenyl, 2,4,4'-trichloro-	Organohalogen
1,1'-biphenyl, 2,2',4,4',6,6'-hexachloro-	Organohalogen
benziodarone	Organohalogen
benzene, 1,1'-methylenebis[4-chloro-	Organohalogen
pyrene, 1,3,6,8-tetrabromo-	Organohalogen
heptane, hexadecafluoro-	Organohalogen
hexane, tetradecafluoro-	Organohalogen
1-hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	Organohalogen
2-propenoic acid, 2,2,3,3,4,4,5,5,6,6,7,	Organohalogen
benzene, 1,3,5-tribromo-2-(2- propenyloxy)-	Organohalogen
1,1'-biphenyl, 2,2',3,3',4,4',5,5',6,6'- decabromo-	Organohalogen
hexabromododecane	Organohalogen
benzene, 1,1'-oxybis-, pentabromo deriv.	Organohalogen
benzene, 1,1'-oxybis-, octabromo deriv.	Organohalogen
bicyclo(2.2.1)heptan-2-one, 1,7,7- trimethyl-3-[(4-methylphenyl)methylene]-	Organohalogen
benzene, pentabromo(bromomethyl)-	Organohalogen
1,1'-biphenyl, 4-bromo-2-fluoro-	Organohalogen
benzene, 1,4-dichloro-2,5- bis(dichloromethyl)-	Organohalogen
1,1'-biphenyl, nonachloro-	Organohalogen
1,3,5-triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(2,3-dibromopropyl)-	Organohalogen

benzene, 1-[2-(2-chloroethoxy)ethoxy]-4-(1,1,3,3-tetramethylbutyl)-	Organohalogen
lead, tetramethyl-	Organometallic compound
stannane, fluorotris-p-chlorophenyl-	Organometallic compound
benzo[a]pyrene	PAH
dibenz[a,h]anthracene	PAH
benz[j]aceanthrylene, 1,2-dihydro-3- methyl-	PAH
benz[a]anthracene	PAH
benz[a]anthracene, 7,12-dimethyl-	PAH
7H-benz[de]anthracen-7-one	PAH
benzo[ghi]perylene	PAH
benzo[e]pyrene	PAH
perylene	PAH
fluoranthene	PAH
benzo[k]fluoranthene	PAH
chrysene	PAH
naphthacene	PAH
1H-indene, 2,3-dihydro-1,1,3,3,5- pentamethyl-4,6-dinitro-	PAH
dibenzothiophene	PAH
benzo[rs]pentaphene	PAH
dibenzo[b,def]chrysene	PAH
hexabenzobenzene	PAH
dibenzo[def,mno]chrysene	PAH
dibenzo[def,p]chrysene	PAH
naphtho[1,2,3,4-def]chrysene	PAH
benzo[c]phenanthrene	PAH
benzo[b]triphenylene	PAH
triphenylene	PAH
dibenz[a,j]anthracene	PAH
chrysene, 6-methyl-	PAH
chrysene, 1-methyl-	PAH
pyrene, 1-nitro-	PAH
benzene, 1-chloro-2-[2,2-dichloro-1-(4- chlorophenyl)ethyl]-	Pharmaceutical
chlorpromazine	Pharmaceutical
1,4-pentanediamine, N(4)-(7-chloro-4- quinoliny)-N(1),N(1)-diethyl-, phosphate	Pharmaceutical
1,4-pentanediamine, N4-(7-chloro-4- quinoliny)-N1,N1-diethyl-	Pharmaceutical
10H-Phenothiazine, 2-chloro-10-[3-(4- methyl-1-piperaziny)propyl]-	Pharmaceutical
1-Piperazineethanol, 4-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-	Pharmaceutical
1-Piperazineethanol, 4-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-, dihydrochloride	Pharmaceutical
10H-phenothiazine, 10-[3-(4-methyl-1- piperaziny)propyl]-2-(trifluoromethyl)-,	Pharmaceutical
4'-fluoro-4-[4-hydroxy-4-(3- trifluoromethylphenyl)piperidino]butyroph	Pharmaceutical
1,2-ethanedisulfonic acid, compd. with 2- chloro-10-[3-(4-methyl-1-	Pharmaceutical
1-[1-(4,4-Bis[4-fluorophenyl]-butyl)-4- piperidiny]-1,3-dihydro-2H-benzimidazol-	Pharmaceutical
10(9H)-acridinepropanamine, N,N,9,9- tetramethyl-, [R-(R*,R*)]-2,3-	Pharmaceutical
niflumic acid	Pharmaceutical
10(9h)-acridinepropanamine, n,n,9,9- tetramethyl-	Pharmaceutical

[1,1'-biphenyl]-2,2'-diol, 5,5'-dichloro	Pharmaceutical
1H-imidazole, 1-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-,	Pharmaceutical
1-butanone, 4-[4-(2,3-dihydro-2-thioxo-1	Pharmaceutical
4H-imidazo[1,5-a][1,4]benzodiazepine, 8-chloro-6-(2-fluorophenyl)-1-methyl-	Pharmaceutical
1-octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonoxy)ethyl]-, diammonium salt-	Pharmaceutical
4-piperidinol, 1-[4,4-bis(4-fluorophenyl	Pharmaceutical
benzoic acid, 2-[(2,6-dichloro-3-methylp	Pharmaceutical
piperazine, 1-[bis(4-fluorophenyl)methyl]- 4-cinnamyl-	Pharmaceutical
phenol, nonyl-	Phenol
phenol, 3,5-bis(1,1-dimethylethyl)-	Phenol
[1,1'-biphenyl]-4-ol, 3,5-bis(1,1-dimethylethyl)-	Phenol
phenol, 2,6-bis(1,1-dimethylethyl)-4-(1-methylpropyl)-	Phenol
phenol, 4-nonyl-	Phenol
phenol, 2,4-bis(1,1-dimethylpropyl)-	Phenol
phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-	Phenol
phenol, 4-(1,1-dimethylethyl)-, hydrogen phosphate	Phenol
benzaldehyde, 2-hydroxy-5-nonyl-, oxime	Phenol
phenol, nonyl-, manuf. of, by-products from, high-boiling	Phenol

SECTION B

Chemical name	Function
cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-	Aliphatic hydrocarbon
1,4-pentanediamine, N4-(6-chloro-2-methoxy-9-aziridinyl)-N1,N1-diethyl-,	Organic nitrogen compound
benzenamine, 4,4'-(phenylmethylene)bis[N,N-dimethyl-	Organic nitrogen compound
benzenamine, 4,4'-methylenebis[N,N-diethyl-	Organic nitrogen compound
[1,1'-biphenyl]-4,4'-diamine, N,N'-bis(2,4-dinitrophenyl)-3,3'-dimethoxy-	Organic nitrogen compound
[1,1'-biphenyl]-4,4'-diamine, 3,3'-dichloro-	Organohalogen
benzene, hexachloro-	Organohalogen
paraffin waxes and hydrocarbon waxes, chlorinated	Organohalogen
ethane, hexachloro-	Organohalogen
phenol, 2,2'-methylenebis[3,4,6-trichloro-	Organohalogen
1,3-butadiene, 1,1,2,3,4,4-hexachloro-	Organohalogen
benzene, 1,2,4,5-tetrachloro-	Organohalogen
benzene, pentachloro-	Organohalogen
terphenyl, chlorinated	Organohalogen
benzenethiol, pentachloro-	Organohalogen
phenol, 2,2'-methylenebis[4,6-dichloro-	Organohalogen
dicroden	Organohalogen
benzamide, 2,3,5-trichloro-N-(3,5-dichlo	Organohalogen
ethanol, 1,1-bis(4-chlorophenyl)-, mixed	Organohalogen
urea, N-(4-chlorophenyl)-N'-(3,4-dichlorophenyl)-	Organohalogen
benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-fluoro-	Organohalogen
bornane, 2,2,5-endo,6-exo,8,9,10-heptachlorono-	Organohalogen

phosphoric acid, 2-ethylhexyl diphenyl ester	Organophosphate
phosphoric acid, isodecyl diphenyl ester	Organophosphate
anthracene oil	PAH
anthracene oil, anthracene paste	PAH
anthracene oil, anthracene-low	PAH
distillates, coal tar, heavy oils	PAH
anthracene oil, anthracene paste, anthracene fraction	PAH
anthracene oil, anthracene paste, distn. Lights	PAH
distillates (coal tar), heavy oils, pyrene fraction	PAH
distillates (coal tar), pitch, pyrene fraction	PAH
residues (coal tar), pitch distn.	PAH
distillates (petroleum), alkene-alkyne manuf. pyrolysis oil, condensed arom.	PAH
bicyclo[2.2.1]heptane, 2,2-dimethyl-3- methylene-	Pesticide/Biocide
benzene, 1,1'-(2,2,2- trichloroethylidene)bis[4-chloro-	Pesticide/Biocide
distannoxane, hexabutyl-	Pesticide/Biocide
benzene, 2,4-dichloro-1-(4-nitrophenoxy)-	Pesticide/Biocide
atrazine	Pesticide/Biocide
carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester	Pesticide/Biocide
2,4-oxazolidinedione, 3-(3,5- dichlorophenyl)-5-ethenyl-5-methyl-	Pesticide/Biocide
4,7-methano-1H-indene, 1,2,4,5,6,7,8,8- octachloro-2,3,3a,4,7,7a-hexahydro-	Pesticide/Biocide
2,7:3,6-dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-	Pesticide/Biocide
2,7:3,6-dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro- 1a,2,2a,3,6,6a,7,7a-octahydro-, (1a.alpha.,2.beta.,2a.beta.,3.alpha.,6.alpha.,6a.beta.,7.beta.,7a.alpha.)-	Pesticide/Biocide
benzene, 1,1'-(2,2- dichloroethylidene)bis[4-chloro-	Pesticide/Biocide
benzene, 1,1'-(dichloroethenylidene)bis[4- chloro-	Pesticide/Biocide
4,7-methano-1H-indene, 1,4,5,6,7,8,8- heptachloro-3a,4,7,7a-tetrahydro-	Pesticide/Biocide
stannane, hydroxytriphenyl-	Pesticide/Biocide
benzenemethanol, 4-chloro-.alpha.-(4- chlorophenyl)-.alpha.-methyl-	Pesticide/Biocide
benzene, pentachloronitro-	Pesticide/Biocide
benzene, 1,2,4-trichloro-5-[(4- chlorophenyl)sulfonyl]-	Pesticide/Biocide
1,3,4-metheno-2H-cyclobuta(cd)pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-	Pesticide/Biocide
4,7-methanoisobenzofuran, 1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-	Pesticide/Biocide
1,4:5,8-dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-	Pesticide/Biocide
phosphonothioic acid, ethyl-, O-ethyl O-(2,4,5-trichlorophenyl) ester	Pesticide/Biocide
benzeneacetic acid, 4-chloro-.alpha.-(4- chlorophenyl)-.alpha.-hydroxy-, ethyl	Pesticide/Biocide
stannane, triphenyl-	Pesticide/Biocide
benzene, 1-chloro-2-[2,2,2-trichloro-1-(4- chlorophenyl)ethyl]-	Pesticide/Biocide
2-norbornene, 5-(bromomethyl)- 1,2,3,4,7,7-hexachloro-	Pesticide/Biocide
benzene, 1,3,5-trichloro-2-(4- nitrophenoxy)-	Pesticide/Biocide
benzenamine, N-butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)-	Pesticide/Biocide
acetic acid, (2,4,5-trichlorophenoxy)-, 2- ethylhexyl ester	Pesticide/Biocide
phosphorothioic acid, O-(4-bromo-2,5- dichlorophenyl) O,O-dimethyl ester	Pesticide/Biocide
1,3,4-metheno-1H- cyclobuta[cd]pentalene,	Pesticide/Biocide
acetic acid, (2,4,5-trichlorophenoxy)-, 2- butoxyethyl ester	Pesticide/Biocide
phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) ester	Pesticide/Biocide
benzene, 1-chloro-2-[2,2-dichloro-1-(4- chlorophenyl)ethenyl]-	Pesticide/Biocide
DIDT	Pesticide/Biocide
phosphorothioic acid, O-(4-bromo-2,5- dichlorophenyl) O,O-diethyl ester	Pesticide/Biocide
toxaphene	Pesticide/Biocide
dichloricide aerosol	Pesticide/Biocide

stannane, tricyclohexylhydroxy-	Pesticide/Biocide
distannoxane, hexakis(2-methyl-2- phenylpropyl)-	Pesticide/Biocide
3,5-dioxa-6-aza-4-phosphaoct-6-ene-8- nitrile, 4-ethoxy-7-phenyl-, 4-sulfide	Pesticide/Biocide
phosphorothioic acid, O-(2,5-dichloro-4- iodophenyl) O,O-dimethyl ester	Pesticide/Biocide
propanoic acid, 2-(2,4,5- trichlorophenoxy)-, 2-butoxyethyl ester	Pesticide/Biocide
phosphonothioic acid, phenyl-, O-(4- bromo-2,5-dichlorophenyl) O-methyl ester	Pesticide/Biocide
acetic acid, (2,4,5-trichlorophenoxy)-, isooctyl ester	Pesticide/Biocide
benzenamine, N-(cyclopropylmethyl)-2,6- dinitro-N-propyl-4-(trifluoromethyl)-	Pesticide/Biocide
benzenamine, N-[3-phenyl-4,5- bis[(trifluoromethyl)imino]-2-	Pesticide/Biocide
oxirane, 2-(3,5-dichlorophenyl)-2-(2,2,2- trichloroethyl)-	Pesticide/Biocide
tetrahydro-5,5-dimethyl-2(1H)- pyrimidinone[3-[4-trifluoromethyl]phenyl]-	Pesticide/Biocide
cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-,	Pesticide/Biocide
morpholine, 2,6-dimethyl-4-(C10-13)- alkyl-	Pesticide/Biocide
stannane, tributyl-, mono(naphthenoxy) derivs.	Pesticide/Biocide
propanoic acid, 2-[4-[[3-chloro-5-(trifluoromethyl)-2-	Pesticide/Biocide
Benzamide, N-[5-chloro-4-[(4-chlorophenyl)cyanomethyl]-2-methylphenyl]-2-hydroxy-3,5-diiodo-	Pharmaceutical
1H-imidazole, 1-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-	Pharmaceutical
4,4'-methylethylidenebisphenol	Phenol
phenol, 2,2'-thiobis[4,6-dichloro-	Phenol
phenol, 4-(1,1-dimethylethyl)-	Phenol
phenol, isooctyl-	Phenol
butylhydroxyanisol	Phenol
1,2-benzenedicarboxylic acid, bis(2- methylpropyl) ester	Phthalate ester/td>
1,2-benzenedicarboxylic acid, butyl phenylmethyl ester	Phthalate ester
1,2- benzenedicarboxylic acid, diisooctyl ester	Phthalate ester
1,2-benzenedicarboxylic acid, dioctyl ester	Phthalate ester
benzene, 1-(1,1-dimethylethyl)-2- methoxy-4-methyl-3,5-dinitro-	Synthetic musk

SECTION C

Chemical name	Function
butanoyl chloride, 4-[2,4-bis(1,1- dimethylpropyl)phenoxy]-	Aliphatic hydrocarbon
benzene, 1,1'-methylenebis-	Aliphatic hydrocarbon
1-propene, tetramer	Aliphatic hydrocarbon
benzene, 1,3,5-tris(1,1-dimethylethyl)-	Aliphatic hydrocarbon
phenol, 2,4-bis(1,1-dimethylethyl)-5- methyl-	Aliphatic hydrocarbon
diethylstilbestrol	Hormones
phosphorothioic acid, O,O,O-tris(4- nitrophenyl) ester	Organic ester
methane, nitro-	Organic nitrogen compound
benzene, 1-methyl-2,4-dinitro-	Organic nitrogen compound

1,3,5-triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(3-isocyanatomethylphenyl)-	Organic nitrogen compound
3,4-dichloroaniline	Organohalogen
phenol, pentabromo-	Organohalogen
benzene, 1,2,3,5-tetrachloro-	Organohalogen
dibenzo(b,e)(1,4)dioxin, 2,3,7,8- tetrachloro-	Organohalogen
bicyclo[2.2.1]hepta-2,5-diene, 1,2,3,4,7,7-hexachloro-	Organohalogen
1,1'-biphenyl, hexabromo-	Organohalogen
7H-benz[de]anthracen-7-one, 3,9- dibromo-	Organohalogen
4,7-methanoisobenzofuran-1,3-dione, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-	Organohalogen
hexane, 1,1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoro-6-iodo-	Pesticide/Biocide
1-butanefluoride, 1,1,2,2,3,3,4,4,4-nonafluoro-	Pesticide/Biocide
1,3-isobenzofurandione, 4,5,6,7- tetrabromo-	Pesticide/Biocide
benzene, 1,2,4,5-tetrachloro-3-methoxy-	Pesticide/Biocide
pyrimido[5,4-d]pyrimidine, 2,6-dichloro-4,8-di-1-piperidinyl-	Pesticide/Biocide
nonabromobiphenyl	Pesticide/Biocide
octabromobiphenyl	Pesticide/Biocide
benzene, 1-chloro-2-(chlorodiphenylmethyl)-	Pesticide/Biocide
2,5-methano-2H-indeno[1,2-b]oxirene, 2,3,4,5,6,7,7-heptachloro-	Pesticide/Biocide
4,7-methano-1H-indene, 4,5,6,7,8,8- hexachloro-3a,4,7,7a-tetrahydro-	Pesticide/Biocide

SECTION D

Chemical name	Function
benzenepropanamine, N-methyl-.gamma.-[4-(trifluoromethyl)phenoxy]-,	Pharmaceutical

Annex II

OSPAR List of Substances Used and Discharged Offshore which Are Considered to Pose Little or No Risk to the Environment (PLONOR):

Substance / Synonyms¹
Acetic acid
Aluminium silicate Aluminium silicate (Al ₂ SiO ₅) Aluminium silicate (Al ₆ Si ₂ O ₁₃) Aluminium silicate (Montmorillonite)
Aluminium sulphate
Ammonium dihydrogen phosphate ((NH ₄)H ₂ PO ₄) Ammonium acid phosphate / phosphoric acid, ammonium salt (NH ₃ .xH ₃ PO ₄)
Ammonium bisulphite
Ammonium chloride
Ammonium hydroxide
Ammonium sulphite
Amylase Amylase β Amylase γ, amylase gluco Amylase, bacterial Amylase, fungal Amylase, iso ²
Amylodextrin (starch, soluble)
Ascorbic acid Isoascorbic acid (until 9 January 2015) ³
Attapulgate clay
Basic aluminium chloride
Barite
Barium sulphate
Bentonite Bentonite, acid-leached
Butanol (Butan-1-ol)
Calcium ammonium nitrate
Calcium bromide
Calcium carbonate Calcium carbonate (marble or limestone)
Calcium chloride
Calcium hydroxide
Calcium lignosulphate
Calcium nitrate
Calcium oxide (lime)
Calcium phosphate Calcium dihydrogen phosphate (Ca(H ₂ PO ₄) ₂)

¹ The inclusion of a salt in the PLONOR list automatically confers PLONOR status on all hydration states of that salt

² Status to be reviewed following REACH Registration deadline

³ Substance will be removed from the PLONOR list on the date indicated if industry does not provide additional data to justify retention on the list.

Substance / Synonymsⁱ
Calcium diphosphate ($\text{Ca}_2\text{P}_2\text{O}_7$) or Dicalcium pyrophosphate ($\text{Ca}_{1/2}\text{H}_4\text{O}_7\text{P}_2$)
Calcium hydrogen phosphate (CaHPO_4)
Calcium orthophosphate ($\text{Ca}_3(\text{PO}_4)_2$)
Calcium stearate
Calcium sulphate (Gypsum)
Carboxy methyl hydroxy ethyl cellulose ⁱⁱ , (until 20 November 2014) ⁱⁱⁱ
Causticized lignite ⁱⁱ (until 11 January 2014) ⁱⁱⁱ
Cellulase (until 9 August 2014) ⁱⁱⁱ
Cement, Grade G
Citric acid
Cellulose fibre
Cellulose crystalline
Cotton seed hulls
Diatomaceous earth
Diatomaceous earth, calcined (Kieselguhr calcined)
Dicalcium silicate
Dolomite
Ethanol
Ferric sulphate
Fluorophlogopite (Mica, synthetic)
Ferrous carbonate
Formic acid (HCOOH)
Glass beads
Glycerine
Graphite
Carbon
Guar gum
Hydroxyethyl cellulose, 2-Hydroxyethyl ether cellulose
Hydroxypropyl guar gum ⁱⁱ
Ilmenite
Iron carbonate ⁱⁱ
Iron carbonate (FeCO_3)
Iron (II) lignosulphonate
Iron lignosulphonate, all oxidation states
Iron oxides
Iron oxide, Hematite (Fe_2O_3)
Iron (II) oxide (FeO)
Iron (III) oxide (Fe_2O_3)
Mixed iron (II + III) oxide / iron oxide (Fe_3O_4)
Isopropanol
Kaolin
Lactose
Lecithin
Lecithins, soya (soya beans)
Lignin
Lignite
Lime (calcium oxide)
Magnesium chloride
Magnesium oxide

Substance / Synonymsⁱ
Magnesium hydroxide (lightly calcinated) ⁱⁱ
Magnesium hydroxide
Manganese tetraoxide
Methanol
Mica group minerals
Monoethylenglycol
Nutshells
Olive pits
Polysaccharide containing glucose, mannose and glucuronic acid units
Portland cement clinker
Potash
Potassium bicarbonate
Potassium carbonate
Potassium chloride
Potassium formate
Potassium iodide, anhydrous
Potassium nitrate
Potassium phosphate
Potassium phosphate dibasic (K_2HPO_4 or $H_3O_4P \cdot 2K$)
Potassium phosphate tribasic (K_3PO_4)
Potassium phosphate monobasic (KH_2PO_4)
Phosphoric acid, potassium salt (2:1) ($KH_5(PO_4)_2$)
Pregelatinized potato starch
Propanol
Pyrophosphate (sodium acid pyrophosphate; SAPP)
Silica gel
Silicic acid
Silica sand
Silicon dioxide
Sodium acetate
Sodium benzoate
Sodium bicarbonate
Sodium bisulphite
Sodium metabisulphite ($Na_2S_2O_5$)
Sodium borate
Boric acid, sodium salt
Sodium bromide
Sodium carbonate (Soda ash)
Sodium percarbonate ($Na_2C_2H_2O_6$)
Sodium carboxymethylcellulose
Sodium chloride
Sodium formate
Sodium lignosulphonate
Sodium nitrate
Sodium nitrite ($NaNO_2$)
Sodium phosphate
Sodium dihydrogen phosphate (NaH_2PO_4)
Sodium phosphate (Na_3PO_4)
Sodium pyrophosphate ($Na_4P_2O_7$)

Substance / Synonymsⁱ
Pentasodium triphosphate ($\text{Na}_5\text{P}_3\text{O}_{10}$)
Trisodium triphosphate ($(\text{NaPO}_3)_3$)
Sodium polymetaphosphate / Sodium hexametaphosphate ($\text{Na}_6(\text{PO}_3)_6$)
Sodium metaphosphate (NaPO_3)
Trisodium diphosphate ($\text{Na}_3\text{HP}_2\text{O}_7$)
Sodium polymetaphosphate / Metaphosphoric acid, sodium salt
Trisodium trihydrogen bis phosphate ($\text{Na}_3(\text{PO}_4)_2$) ^{vi}
Sodium silicate
Sodium metasilicate (Na_2SiO_3)
Disodium disilicate ($\text{Na}_2\text{Si}_2\text{O}_5$)
Tetrasodium orthosilicate ($\text{Na}_4(\text{SiO}_4)$)
Disodium trisilicon heptaoxide ($\text{Na}_2\text{Si}_3\text{O}_7$)
Hexasodium diorthosilicate ($\text{Na}_6\text{Si}_2\text{O}_7$) ⁱⁱ
Sodium sulphate, anhydrous
Sodium sulphite
Sodium tetraphosphate
Sodium thiosulphate ($\text{Na}_2\text{S}_2\text{O}_3$)
Sorbitol
Starch (without additives)
Sugarcane molasses
Tricalcium silicate
Urea
Vegetable fibre
Vermiculite
Whey, Protein-free
Whey lactose low
Whey permeate
Wood fibres
Xanthan gum
High MW hydroxy ethyl cellulose polymer
Hydroxypropylated cross-linked corn starch

Annex III

Cefas OCNS Chemical Hazard and Risk Management (CHARM):

Cementing Products:

- Antifoam (Hydrocarbons)
- Biocide
- Cement or Cement Additive
- Crosslinking Chemical
- Defoamer (Drilling)
- Detergent / Cleaning Fluid
- Dispersant
- Dye
- Fluid Loss Control Chemical
- Lost Circulation Material
- Shale Inhibitor / Encapsulator
- Viscosifier
- Well Stimulation Chemical
- Other

Completion Workover Products:

- Acidity Control Chemical
- Antifoam (Hydrocarbons)
- Asphaltene Dissolver
- Asphaltene Inhibitor
- Biocide
- Brine (Completion)
- Carrier Solvent
- Cement or Cement Additive
- Coolant or Coolant Additive
- Corrosion Inhibitor
- Crosslinking Chemical
- Cuttings Wash Fluid
- Defoamer (Drilling)
- Demulsifier
- Deoiler
- Detergent / Cleaning Fluid
- Drilling Lubricant
- Dye
- Filter Cake Removal Chemical
- Flocculant
- Fluid Loss Control Chemical
- Gas Hydrate Inhibitor
- Gelling Chemical
- Hydrogen Sulphide Scavenger
- Lost Circulation Material
- Oxygen Scavenger
- Pipe Release Chemical
- Pipeline Hydrotest Chemical
- Pipeline Pigging Chemical
- Proppant
- Scale Dissolver
- Scale Inhibitor

- Shale Inhibitor / Encapsulator
- Thinner
- Tracer chemical
- Viscosifier
- Water Based Drilling Fluid Additive
- Water Clarifier
- Wax Dissolver
- Well Bore Clean-up Chemical
- Well Stimulation Chemical
- Other

Water Based Mud Drilling Products:

- Antifoam (Hydrocarbons)
- Biocide
- Brine (Completion)
- Cement or Cement Additive
- Corrosion Inhibitor
- Defoamer (Drilling)
- Demulsifier
- Detergent / Cleaning Fluid
- Drilling Lubricant
- Dye
- Emulsifier
- Filter Cake Removal Chemical
- Filtrate Reducer
- Fluid Loss Control Chemical
- Gas Hydrate Inhibitor
- Hydrogen Sulphide Scavenger
- Lost Circulation Material
- OPF Additive
- Oxygen Scavenger
- Pipe Release Chemical
- Scale Dissolver
- Scale Inhibitor
- Shale Inhibitor / Encapsulator
- Thinner
- Tracer chemical
- Viscosifier
- Water Based Drilling Fluid
- Water Based Drilling Fluid Additive
- Well Bore Clean-up Chemical
- Well Stimulation Chemical
- Other

Production Products:

- Acidity Control Chemical
- Antifoam (Hydrocarbons)
- Antifoam (Water Injection)
- Asphaltene Dissolver
- Asphaltene Inhibitor
- Biocide
- Cement or Cement Additive
- Coagulant

- Corrosion Inhibitor
- Defoamer (Drilling)
- Demulsifier
- Deoiler
- Detergent / Cleaning Fluid
- Dispersant
- Dye
- Flocculant
- Gas Hydrate Inhibitor
- Hydrogen Sulphide Scavenger
- Oxygen Scavenger
- Pipeline Hydrotest Chemical
- Scale Dissolver
- Scale Inhibitor
- Tracer chemical
- Viscosifier
- Water Clarifier
- Wax Dissolver
- Wax Inhibitor
- Well Stimulation Chemical
- Other

Pipeline Products:

- Acidity Control Chemical
- Antifoam (Hydrocarbons)
- Asphaltene Dissolver
- Biocide
- Brine (Completion)
- Carrier Solvent
- Cement or Cement Additive
- Coagulant
- Coolant or Coolant Additive
- Corrosion Inhibitor
- Crosslinking Chemical
- Demulsifier
- Deoiler
- Detergent / Cleaning Fluid
- Dispersant
- Drilling Lubricant
- Emulsifier
- Filter Cake Removal Chemical
- Filter Media or Filter Media Additive
- Filtrate Reducer
- Flocculant
- Fluid Loss Control Chemical
- Gas Hydrate Inhibitor
- Gelling Chemical
- Hydraulic Fluid
- Hydrogen Sulphide Scavenger
- Jacking Grease
- Lost Circulation Material
- OPF Additive
- OPF Base Oil

- OPF Base Synthetic
- OPF Oil Based Drilling Fluid
- OPF Synthetic-based Drilling Fluid
- Oxygen Scavenger
- Pipe Dope
- Pipe Release Chemical
- Pipeline Hydrotest Chemical
- Pipeline Pigging Chemical
- Proppant
- Scale Dissolver
- Scale Inhibitor
- Shale Inhibitor / Encapsulator
- Thinner
- Tracer chemical
- Viscosifier
- Water Based Drilling Fluid
- Water Based Drilling Fluid Additive
- Water Clarifier
- Wax Dissolver
- Wax Inhibitor
- Weighting Chemical
- Well Bore Clean-up Chemical
- Well Stimulation Chemical
- Other