OSPAR List of Substances Used and Discharged Offshore which Are Considered to Pose Little or No Risk to the Environment (PLONOR) – Update 2024

(*OSPAR Agreement 2013-06*)[1]

Substances in the PLONOR List

1. The list at Appendix 1 contains substances whose use and discharge offshore is subject to expert judgement by the competent national authority of Contracting Parties. These substances do not normally need to be strongly regulated as, from assessment of their intrinsic properties, the OSPAR Commission considers that they pose little or no risk to the environment.

Criteria for inclusion of substances in the PLONOR List

2. Requests to the Offshore Industry Committee for inclusion of new substances on this list should be accompanied by the appropriate data required to undertake a prior assessment. The data required and the acceptance criteria are the following:

Categories	**Minimum data required for assessment**	**Acceptance criteria**
All substances, including inorganic salts (naturally occurring or constituents of seawater)[i], and natural organic substances which are non-water soluble (e.g. nutshells, fibres etc.)	Parts 1 and 3 of HOCNF shall be completed, supported by the Safety Data Sheets if necessary. CAS-number(s) shall be provided if they exist	

[1] This Agreement replaces OSPAR Agreement 2012-06. Updated in 2019, 2021, 2024

		Classification with hazard statements according to Council Regulation 1272/2008, Annex VI does not lead to any of the following hazard statements: H400, H410, H411, H412, H413[ii]. The substance is not Carcinogenic (cat 1A & 1B)[iii], Mutagenic (cat 1A & 1B)[iii] or Toxic for Reproduction (Cat 1A, 1B & 2)[iii]

In addition:		
Soluble organic substances (e.g. salts, acids, glycols and alcohols)	- Part 2 of HOCNF: - literature data or test results relating to accumulation potential (e.g. log P_{ow} or BCF or Molecular Weight); - literature data or test results relating to biodegradation, in accordance with marine protocols (e.g OECD 306) or freshwater data (e.g. OECD 301 ready series) applying a safety factor of 0.7; - literature data or test results for marine or freshwater toxicity;	- LC50 or EC50> 100 mg/l, and - log P_{ow} <3 or BCF<100 or MW>700; and - substance readily biodegradable.
Insoluble man-made organic substances	- literature data or test results relating to exposure pathways; e.g. effects on sediment re-working organisms; - literature data or test results relating to biodegradation.	-
Minerals	- literature data or test results relating to exposure pathways; e.g. effects on sediment re-working organisms	-
Substances exempted under REACH Annex IV	- No additional data requirements	-
Substances meeting the criteria of REACH Annex V	- Sponsor Contracting Parties will advise on additional data requirements for specific substances	-

Procedure for including new substances in the PLONOR List, for including new CAS Numbers for existing substances on the list, or for removing substances from the List.

3. Any supplier, vendor or organisation wishing to put forward a new candidate substance for inclusion in the PLONOR List, or to add additional CAS numbers to substances already on the PLONOR List, should submit a request to a sponsor Contracting Party. The data[iv] for new substances should be submitted in accordance with the criteria above.

4. The sponsor Contracting Party should review the data to ensure that the criteria are met and that they are satisfied with the data presented. If the sponsor Contracting Party considers that the request should be approved, that Contracting Party should then circulate the data, preferably in electronic form, to the List of National Contact Points Concerning Chemicals used Offshore (see the appropriate Annex of the most recent OIC Summary Record) at least 20 weeks before the annual meeting of the Offshore Industry Committee, with a recommendation for inclusion of substances in the PLONOR list or the inclusion of additional CAS numbers for substance already on the list.

5. The national contact points under the lead of the sponsor Contracting Party should work in accordance with the working procedures for intersessional correspondence groups as described in the current version of the Rules of Procedure of the OSPAR Commission. Following receipt of any comments from the national contact points, within the specified deadlines, the sponsor Contracting Party should prepare a final proposal for consideration at the annual meeting of the Offshore Committee. The proposal should be submitted by the sponsor Contracting Party at least six weeks before the annual meeting and should contain a short description of comments or objections raised by Contracting Parties and the way in which the sponsor Contracting Party has taken these comments or objections into account in their final proposal to OIC.

6. Requests to remove substances from the PLONOR list can only be generated by Contracting Parties, and must be the subject of a proposal for consideration at the annual meeting of the Offshore Industry Committee. The proposal should be submitted by the relevant Contracting Party at least six weeks before the annual meeting and must contain a reasoned cause of concern related to the criteria mentioned in paragraph 2 above. Such requests should also be accompanied by the data required for assessment by OIC.

7. Adoption of any proposal submitted to OIC will require the unanimous approval of the Contracting Parties represented at OIC.

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

CAS Number	EC/List Number	Substance / Synonyms[v]
64-19-7	200-580-7	Acetic acid
1335-30-4	215-628-2	Aluminium silicate
12141-46-7	235-253-8	Aluminium silicate (Al_2SiO_5)
12068-56-3	235-102-6	Aluminium silicate ($Al_6Si_2O_{13}$)
1318-93-0	215-288-5	Aluminium silicate (Montmorillonite)
7722-76-1	231-764-5	Ammonium dihydrogen phosphate ($(NH_4)H_2PO_4$)
10124-31-9	233-330-0	Ammonium acid phosphate / phosphoric acid, ammonium salt ($NH_3.xH_3\ PO_4$)
10192-30-0	233-469-7	Ammonium bisulphite
12125-02-9	235-186-4	Ammonium chloride
1336-21-6	215-647-6	Ammonium hydroxide
10196-04-0	233-484-9	Ammonium sulphite
9000-92-4	232-567-7	Amylase
9000-91-3	232-566-1	Amylase β
9032-08-0	232-877-2	Amylase γ, amylase gluco
9000-85-5	232-560-9	Amylase, bacterial
9013-01-8	232-742-8	Amylase, fungal
9067-73-6	232-956-1	Amylase, iso [vi]
9005-84-9	232-686-4	Amylodextrin (starch, soluble)
50-81-7	200-066-2	Ascorbic acid
12174-11-7	-	Attapulgite clay
13462-86-7	236-664-5	Barite
7727-43-7	231-784-4	Barium sulphate
1302-78-9	215-108-5	Bentonite
70131-50-9	274-324-8	Bentonite, acid-leached
71-36-3	200-751-6	Butanol (Butan-1-ol)
15245-12-2	239-289-5	Calcium ammonium nitrate
471-34-1	207-439-9	Calcium carbonate
1317-65-3	215-279-6	Calcium carbonate (marble or limestone)
10043-52-4	233-140-8	Calcium chloride
1305-62-0	215-137-3	Calcium hydroxide
8061-52-7	-	Calcium lignosulphate
10124-37-5	233-332-1	Calcium nitrate
1305-78-8	215-138-9	Calcium oxide (lime)
10103-46-5	233-283-6	Calcium phosphate
7758-23-8	231-837-1	Calcium dihydrogen phosphate ($Ca(H_2PO_4)_2$)
7790-76-3	232-221-5	Calcium diphosphate ($Ca_2P_2O_7$) or Dicalcium pyrophosphate

CAS Number	EC/List Number	Substance / Synonyms[v]
		($Ca_{1/2}H_4O_7P_2$)
7757-93-9	231-826-1	Calcium hydrogen phosphate ($CaHPO_4$)
7758-87-4	231-840-8	Calcium orthophosphate ($Ca_3(PO_4)_2$)
1592-23-0	216-472-8	Calcium stearate
7778-18-9	231-900-3	Calcium sulphate (Gypsum)
65997-15-1	266-043-4	Cement, Grade G
77-92-9	201-069-1	Citric acid
65996-61-4	265-995-8	Cellulose fibre
9004-34-6	232-674-9	Cellulose crystalline
-	-	Cotton seed hulls
61790-53-2	612-383-7	Diatomaceous earth
91053-39-3	293-303-4	Diatomaceous earth, calcined (Kieselguhr calcined)
10034-77-2	233-107-8	Dicalcium silicate
15630-89-4	239-707-6	Disodium carbonate, compounded with hydrogen peroxide (2:3)
16389-88-1	240-440-2	Dolomite
10028-22-5	233-072-9	Ferric sulphate
12003-38-2	234-426-5	Fluorophlogopite (Mica, synthetic)
63-71-3	209-259-6	Ferrous carbonate
64-18-6	200-579-1	Formic acid (HCOOH)
-	-	Glass beads
56-81-5	200-289-5	Glycerine
7782-42-5	231-955-3	Graphite
7440-44-0	931-328-0	Activated carbon
	931-334-3	
9000-30-0	232-536-8	Guar gum
9004-62-0	618-387-5	Hydroxyethyl cellulose, 2-Hydroxyethyl ether cellulose
39421-75-5	609-675-1	Hydroxypropyl guar gum[vi]
12168-52-4	308-551-1	Ilmenite
10290-71-8	233-647-4	Iron carbonate[vi]
563-71-3	209-259-6	Iron carbonate ($FeCO_3$)
62997-05-1	613-129-8	Iron (II) lignosulphonate
39331-38-9	609-650-5	Iron lignosulphonate, all oxidation states
1332-37-2	215-570-8	Iron oxides
1317-60-8	215-275-4	Iron oxide, Hematite (Fe_2O_3)
1345-25-1	215-721-8	Iron (II) oxide (FeO)
1309-37-1	215-168-2	Iron (III) oxide (Fe_2O_3)
1317-61-9	215-277-5	Mixed iron (II + III) oxide / iron oxide (Fe_3O_4)
67-63-0	200-661-7	Isopropanol
1332-58-7	310-194-1	Kaolin
63-42-3	200-559-2	Lactose
8002-43-5	232-307-2	Lecithin
8030-76-0	310-129-7	Lecithins, soya (soya beans)
9005-53-2	232-682-2	Lignin
8002-53-7	232-313-5	Lignite
1305-78-8	215-138-9	Lime (calcium oxide)

CAS Number	EC/List Number	Substance / Synonyms[v]
7786-30-3	232-094-6	Magnesium chloride
1309-48-4	215-171-9	Magnesium oxide
68412-28-2	270-182-6	Magnesium hydroxide (lightly calcinated)[vi]
1309-42-8	215-170-3	Magnesium hydroxide
1317-35-7	215-266-5	Manganese tetraoxide
67-56-1	200-659-6	Methanol
12001-26-2	310-127-6	Mica group minerals
107-21-1	203-473-3	Monoethylenglycol
-	-	Nutshells
-	-	Olive pits
-	-	Polysaccharide containing glucose, mannose and glucoronic acid units
65997-15-1	266-043-4	Portland cement clinker
584-08-7	209-529-3	Potash
298-14-6	206-059-0	Potassium bicarbonate
584-08-7	209-529-3	Potassium carbonate
7447-40-7	231-211-8	Potassium chloride
590-29-4	209-677-9	Potassium formate
7681-11-0	231-659-4	Potassium iodide, anhydrous
7757-79-1	231-818-8	Potassium nitrate
16068-46-5	240-213-8	Potassium phosphate
7758-11-4	231-834-5	Potassium phosphate dibasic (K_2HPO_4 or $H_3O_4P.2K$)
7778-53-2	231-907-1	Potassium phosphate tribasic (K_3PO_4)
7778-77-0	231-913-4	Potassium phosphate monobasic (KH_2PO_4)
14887-42-4	238-961-5	Phosphoric acid, potassium salt (2:1) ($KH_5(PO_4)_2$)
9005-25-8	232-679-6	Pregelatinized potato starch
71-23-8	200-746-9	Propanol
7758-16-9	231-835-0	Pyrophosphate (sodium acid pyrophosphate; SAPP)
63231-67-4	-	Silica gel
1343-98-2	215-683-2	Silicic acid
69012-64-2	273-761-1	Silica fume
14808-60-7	238-878-4	Silica sand
7631-86-9	231-545-4	Silicon dioxide
127-09-3	204-823-8	Sodium acetate
532-32-1	208-534-8	Sodium benzoate
144-55-8	205-633-8	Sodium bicarbonate
7631-90-5	231-548-0	Sodium bisulphite
7681-57-4	231-673-0	Sodium metabisulphite ($Na_2S_2O_5$)
497-19-8	207-838-8	Sodium carbonate (Soda ash)
9004-32-4	-	Sodium carboxymethylcellulose
7647-14-5	231-598-3	Sodium chloride
141-53-7	205-488-0	Sodium formate
8061-51-6	-	Sodium lignosulphonate
7631-99-4	231-554-3	Sodium nitrate
7632-00-0	231-555-9	Sodium nitrite ($NaNO_2$)
7632-05-5	231-558-5	Sodium phosphate
7558-80-7	231-449-2	Sodium dihydrogen phosphate (NaH_2PO_4)

CAS Number	EC/List Number	Substance / Synonyms[v]
7601-54-9	231-509-8	Sodium phosphate (Na_3PO_4)
7722-88-5	231-767-1	Sodium pyrophosphate ($Na_4P_2O_7$)
7758-29-4	231-838-7	Pentasodium triphosphate ($Na_5P_3O_{10}$)
7785-84-4	232-088-3	Trisodium triphosphate ($(NaPO_3)_3$)
10124-56-8	233-343-1	Sodium polymetaphosphate / Sodium hexametaphosphate ($Na_6(PO_3)_6$)
10361-03-2	233-782-9	Sodium metaphosphate ($NaPO_3$)
14691-80-6	238-735-6	Trisodium diphosphate ($Na_3HP_2O_7$)
50813-16-6	256-779-4	Sodium polymetaphosphate / Metaphosphoric acid, sodium salt)
65185-91-3	265-604-0	Trisodium trihydrogen bis phosphate ($Na_3(PO_4)_2$)[vi]
1344-09-8	215-687-4	Sodium silicate
6834-92-0	229-912-9	Sodium metasilicate (Na_2SiO_3)
13870-28-5	237-623-4	Disodium disilicate ($Na_2Si_2O_5$)
13472-30-5	236-741-3	Tetrasodium orthosilicate ($Na_4(SiO_4)$)
13870-30-9	237-626-0	Disodium trisilicon heptaoxide ($Na_2Si_3O_7$)
15593-82-5	239-671-1	Hexasodium diorthosilicate ($Na_6Si_2O_7$)[vi]
7757-82-6	231-890-9	Sodium sulphate, anhydrous
7757-83-7	231-821-4	Sodium sulphite
14986-84-6	239-073-0	Sodium tetraphosphate
7772-98-7	231-867-5	Sodium thiosulphate ($Na_2S_2O_3$)
50-70-4	200-061-5	Sorbitol
9005-25-8	232-679-6	Starch (without additives)
68476-78-8	270-698-1	Sugarcane molasses
12168-85-3	235-336-9	Tricalcium silicate
57-13-6	200-315-5	Urea
-	-	Vegetable fibre
1318-00-9	-	Vermiculite
68608-58-2 92129-93-6	271-787-8	Whey, Protein-free Whey lactose low Whey permeate
-	-	Wood fibres
11138-66-2	234-394-2	Xanthan gum
-	Polymer	High MW hydroxy ethyl cellulose polymer
-	Polymer	Hydroxypropylated cross-linked corn starch

Hyphen (-) indicates that no CAS number or EINECS number is available.

No entry ( ) indicates that CAS number or EINECS number has still to be identified.

For guidance on how substances in REACH Annex IV, or substances falling under the criteria in paragraphs 7, 8 or 9 of Annex V, will be assessed by HMCS, please see the pre-screening document 'Further Guidance on the Assessment of the Toxicity of Substances under the Harmonised Pre-Screening Scheme of OSPAR Recommendation 2000/4' (OSPAR Agreement 2002-04)

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[i] Does not include salts of heavy metals.

[ii] For Substances classified by hazard statements H400, H410, H411, H412, H413, exceptions can be made from these criteria, providing the properties of the substances are different in seawater (e.g. pH effects of acids, bases, salts).

[iii] Exception can be made based on expert judgement, for exposure routes not relevant to the marine environment, e.g. R49 *May cause cancer by inhalation*. Under such circumstances, Details of all exposure routes relevant to the CMR properties must be

provided, to confirm that there is no evidence of an adverse effect via an exposure route that is relevant to the marine environment.

[iv] Data presented in the HOCNF does not have to have any particular vendor details or tonnage to be used, as PLONOR list items may be supplied by a number of vendors etc. Supplier details and tonnage to be used would have to be provided and considered at the time of use when applying for a permit under national regulations for the implementation of the Harmonised Mandatory Control System under OSPAR Decision 2000/2. However, the sponsor Contracting Party may provide an indication of current tonnage used in their own area, if this information is readily to hand.

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

[vi] Status to be reviewed following REACH Registration deadline