

# Shanghai Highwoods Ship Co., Ltd.

## Public Notice on Oil Fences or Oil Spill Response Agreements


Dear Ship owners/operators who may concern,

It is on this date 30<sup>th</sup> May 2019 that MSA China publicly notifies ship owners /operators that a List of Contaminated and Hazardous Bulk Liquids Goods (herein After Called The list) has been made. In accordance with the requirement of Article 41 of the Regulations of the People's Republic of China on the Prevention and Control of Marine Environmental Pollution by Ships and their Related activities on the coastal waters and the requirement of Article 27 of the Regulations of the People's Republic of China on the Prevention and Control of Marine Environmental Pollution by Ships on Inland Waters, ships carrying goods in the List, prior to cargo operation or STS operation at China wharfs, buoys, anchorages, have to Set up Oil Fences or sign Oil Spill Response Agreements ( **Download from [www.shorefacility.com](http://www.shorefacility.com)**  ).

Ships carrying cargo in the List and vessels ( Except for the use of clean energy such as LNG in main propulsion system) with gross tonnage above 10,000 carrying any cargo is not included in the list, before operation or prior to entering or leaving ports , shall sign an Oil Spill Response Agreements with **[Oil Spill Response Organization](#)** who can meet the technical requirement of the Nation in accordance with the requirement of Article 33 of the Regulations on the Prevention and Control of Marine Environmental Pollution by Ships.

A total of 263 goods are included in the List, including persistent oils ( 16 types) in bulk as listed in Annex I to the 1973 International Convention of the Prevention of Pollution from Ships, as amended by the 1978 Protocol, Bulk toxic liquid substances (247types ) with specific gravity less than 1 (relative to water) and solubility less than 0.1% as per Chapters 17 and 18 of the International Rules and Regulations on ships' structure and equipment for transporting dangerous chemicals in bulk, and IMO Circular (MEPC.2/Circ.24) table 1 and 5.

Persistent Oils in bulk	
1	TRANSFORMER OIL
2	RESIDUAL FUEL OIL
3	DIESEL OIL (HEAVY)
4	SPINDLE OIL



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5	MIXTURES CONTAINING CRUDE OIL
6	MOTOR OIL
7	ROAD OIL
8	FUEL OIL NO.4
9	FUEL OIL NO.5
10	FUEL OIL NO.6
11	LUBRICATING OILS AND BLENDING STOCKS
12	PENETRATING OIL
13	TURBINE OIL
14	ROOFERS FLUX
15	CRUDE OIL
16	STRAIGHT RUN RESIDUE
<b>Toxic liquid substances in bulk</b>	
17	OCTAMETHYLCYCLOTETRAILOXANE
18	BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL), 4-HYDROXY-C7-C9ALCOHOLS BRANCHED AND LINEAR
19	1-PHENYL-1-XYLYL ETHANE
20	BENZENETRICARBOXYLIC ACID, TRIOCTYL ESTER
21	CASTOR OIL
22	IMIDAZOLIUM COMPOUNDS, 1-BENZYL-4,5-DIHYDRO-1-(HYDROXYETHYL)-2-NORCOCO ALKYL, CHLORIDES
23	2-PROPENOIC ACID POLYMER WITH 4-(1,1-DIMETHYLETHYL)PHENOL, FORMALDEHYDE, 2,5-FURANDIONE, 2-METHYLOXIRANE AND OXIRANE (65% IN NAPHTHA/XYLENE)
24	n-PENTYL PROPIONATE
25	2-ETHYLHEXYL ACRYLATE
26	DECYL ACRYLATE
27	RAPSEED OIL

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28	RAPESEED OIL (low erucic acid containing less than 4% free fatty acids)
29	RAPE SEED OIL FATTY ACID METHYL ESTERS
30	ALCOHOLS (C12-C13), PRIMARY, LINEAR AND ESSENTIALLY LINEAR
31	ALCOHOLS (C13+)
32	ALCOHOLS (C14-C18), PRIMARY, LINEAR AND ESSENTIALLY LINEAR
33	ALCOHOLS (C8-C11), PRIMARY, LINEAR AND ESSENTIALLY LINEAR
34	ACID OIL MIXTURE FROM SOYABEAN, CORN (maize) AND SUNFLOWER OIL REFINING
35	NAPHTHALENE CRUDE (MOLTEN)
36	SOYABEAN OIL
37	SOYBEAN OIL FATTY ACID METHYL ESTER
38	BUTYLBENZENE (all isomers)
39	TALLOW
40	TALLOW FATTY ACID
41	BIS(2-ETHYLHEXYL) TEREPHTHALATE
42	DI-(2-ETHYLHEXYL) PHOSPHORIC ACID
43	DI-(2-ETHYLHEXYL) ADIPATE
44	DIPHENYLAMINE, REACTION PRODUCT WITH 2,2,4-TRIMETHYLPENTENE

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45	DIBUTYL HYDROGEN PHOSPHONATE
46	XYLENOL
47	POLYALKYL (C18-C22) ACRYLATE IN XYLENE
48	DIMETHYLPOLYSILOXANE
49	N,N-DIMETHYLDODECYLAMINE
50	DIMETHYL OCTANOIC ACID
51	DIPENTENE
52	2,6-DI-TERT-BUTYLPHENOL
53	DIALKYL (C7-C13) PHTHALATES
54	DIALKYL (C9 - C10) PHTHALATES
55	DIETHYLBENZENE
56	DIISOPROPYLBENZENE (all isomers)
57	DIISOPROPYLNAPHTHALENE
58	DIISOBUTYL KETONE
59	ARYL POLYOLEFINS (C11-C50)
60	POLYOLEFINAMINE IN AROMATIC SOLVENT
61	NON-EDIBLE INDUSTRIAL GRADE PALM OIL
62	USED COOKING OIL
63	USED COOKING OIL (TRIGLYCERIDES, C16-C18 AND C18 UNSATURATED)
64	GLYCEROL MONOOLEATE
65	OLIVE OIL
66	DECYL ALCOHOL (all isomers)
67	DECYL/DODECYL/TETRADECYL ALCOHOL MIXTURE
68	DECYLOXYTETRAHYDROTHIOPHENE DIOXIDE

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69	DECANOIC ACID
70	DECENE
71	SAFFLOWER OIL
72	GROUNDNUT OIL
73	CYCLOHEXANOL
74	CYCLOHEXANE-1,2-DICARBOXYLIC ACID, DIISONONYL ESTER
75	1,5,9-CYCLODODECATRIENE
76	1,3-CYCLOPENTADIENE DIMER (molten)
77	DIISONONYL ADIPATE
78	OCTYL DECYL ADIPATE
79	TOLUENEDIAMINE
80	ALKYL ACRYLATE-VINYLPYRIDINE COPOLYMER IN TOLUENE
81	alpha-METHYLBENZYL ALCOHOL WITH ACETOPHENONE (15% or less)
82	NONYL METHACRYLATE MONOMER
83	DODECYL METHACRYLATE
84	DODECYL/OCTADECYL METHACRYLATE MIXTURE
85	DODECYL/PENTADECYL METHACRYLATE MIXTURE
86	CETYL/EICOSYL METHACRYLATE MIXTURE
87	METHYLCYCLOPENTADIENE DIMER
88	METHYL NAPHTHALENE (molten)
89	POLY(4+)ISOBUTYLENE
90	POLY(5+)PROPYLENE
91	POLYBUTENE
92	POLYBUTENYL SUCCINIMIDE
93	POLYSILOXANE
94	MOLYBDENUM POLYSULFIDE LONG CHAIN ALKYL DITHIOCARBAMIDE COMPLEX

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95	POLYETHER (molecular weight 1350+)
96	POLYALKYL (C10-C18) METHACRYLATE/ETHYLENE-PROPYLENE COPOLYMER MIXTURE
97	POLYALKYL (C10-C20) METHACRYLATE
98	POLYALKYLALKENAMINESUCCINIMIDE, MOLYBDENUM OXYSULPHIDE
99	POLYOLEFIN (molecular weight 300+)
100	POLYOLEFIN AMINOESTER SALTS (molecular weight 2000+)
101	POLYOLEFINAMINE (C28-C250)
102	POLYOLEFIN PHENOLIC AMINE (C28-C250)
103	POLYOLEFIN ANHYDRIDE
104	POLYALKENE SULPHONIC ACID (C20-C28), SODIUM SALT
105	POLYOLEFIN AMIDE ALKENEAMINE (C17+)
106	POLYOLEFIN AMIDE ALKENEAMINE POLYOL
107	POLYOLEFIN AMIDE ALKENEAMINE BORATE (C28-C250)
108	POLYOLEFIN ESTER (C28-C250)
109	POLYETHYLENE POLYAMINES (more than 50% C5 -C20 paraffin oil)
110	POLYISOBUTYLENE(MW≤224)
111	COCOA BUTTER
112	PETROLATUM
113	SUNFLOWER SEED OIL
114	ALKENOIC ACID, POLYHYDROXY ESTER BORATED
115	DITRIDECYL PHTHALATE
116	DIUNDECYL PHTHALATE
117	DIHEPTYL PHTHALATE
118	DIHEXYL PHTHALATE

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119	DINONYL PHTHALATE
120	DIOCTYL PHTHALATE
121	DIISOCTYL PHTHALATE
122	TRIBUTYL PHOSPHATE
123	SULPHOHYDROCARBON (C3-C88)
124	JATROPHA OIL
125	MANGO KERNEL OIL
126	RICE BRAN OIL
127	COTTON SEED OIL
128	SHEA BUTTER
129	alpha-PINENE
130	beta-PINENE
131	GRAPE SEED OIL
132	NONYL ALCOHOL (all isomers)
133	NONYLPHENOL
134	NONANOIC ACID (all isomers)
135	2,2,4-TRIMETHYL-1,3-PENTANEDIOL-1-ISOBUTYRATE
136	2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE
137	TRIMETHYLACETIC ACID
138	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID
139	TRIETHYLBENZENE
140	DODECANE (all isomers)
141	DODECYLAMINE/TETRADECYLAMINE MIXTURE
142	DODECYLBENZENE
143	DODECYL PHENOL
144	DODECYL ALCOHOL
145	DODECYL XYLENE
146	LAURIC ACID
147	1-DODECENE
148	DODECENE (all isomers)
149	1-HEXADECYLNAPHTHALENE / 1,4-BIS(HEXADECYL)NAPHTHALENE MIXTURE

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150	DECAHYDRONAPHTHALENE
151	TRIDECANOIC ACID
152	TRIDECANE
153	TRIDECYL ACETATE
154	UNDECYL ALCOHOL
155	1-UNDECENE
156	UNDECANOIC ACID
157	PARAFFIN WAX
158	WAXES
159	PARAFFIN WAX, SEMI-REFINED
160	PARAFFIN WAX, HIGHLY-REFINED
161	WHITE SPIRIT, LOW (15-20%) AROMATIC
162	tert-DODECANETHIOL
163	DITRIDECYL ADIPATE
164	TETRAMETHYLBENZENE (all isomers)
165	PROPYLENE TETRAMER
166	TETRAHYDRONAPHTHALENE
167	PINE OIL
168	HYDROCARBON WAX
169	TUNG OIL
170	TALL OIL, CRUDE
171	TALL OIL, DISTILLED
172	TALL OIL SOAP, CRUDE
173	TALL OIL PITCH
174	TALL OIL FATTY ACID (resin acids less than 20%)
175	TALL OIL ACIDS/LINOLEIC ACID DIMER/POLYALKYLENE POLYAMINES/DODECYLBENZENESULPHONIC ACID COMPLEXES IN NAPHTHA/ISOPROPANOL
176	TALL OIL ACIDS REACTION PRODUCTS WITH TRIETHANOLAMINE
177	ZINC ALKARYL DITHIOPHOSPHATE (C7-C16)
178	ALKYL (C7-C9) NITRATES



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179	ALKYL (C10-C20, SATURATED AND UNSATURATED) PHOSPHITE
180	CALCIUM ALKYL (C10-C28) SALICYLATE
181	ALKYL (C12+) DIMETHYLAMINE
182	ALKYL (C18+) TOLUENES
183	ALKYL(C18-C28)TOLUENESULFONIC ACID
184	ALKYL (C18-C28) TOLUENESULFONIC ACID, CALCIUM SALTS, LOW OVERBASE
185	POLYOLEFINAMINE IN ALKYL (C2-C4) BENZENES
186	ALKYL (C5-C8) BENZENES
187	ALKYL(C9+)BENZENES
188	ALKYLBENZENES MIXTURES (CONTAINING NAPHTHALENE)
189	ALKYL BENZENE DISTILLATION BOTTOMS
190	ALKYLATED (C4-C9) HINDERED PHENOLS
191	DIPHENYLAMINES, ALKYLATED
192	ALKYL ESTER COPOLYMER (C4-C20)
193	ALKANES (C10-C17), LINEAR AND BRANCHED
194	ALKANES (C10-C26), LINEAR and BRANCHED, (FLASHPOINT >60°C)
195	ALKANES (C10-C26), LINEAR AND BRANCHED (FLASHPOINT ≤60°C)
196	ILLIPE OIL
197	ALKENYL (C11+) AMIDE
198	ZINC ALKENYL CARBOXAMIDE
199	OLEFINS (C13+, all isomers)
200	OLEFIN-ALKYL ESTER COPOLYMER (molecular weight 2000+)
201	OCTANOL (all isomers)
202	OCTYL ALDEHYDES
203	OCTANOIC ACID (all isomers)
204	NEODECANOIC ACID

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205	VINYL NEODECANOATE
206	CAMELINA OIL
207	LINSEED OIL
208	CASHEW NUT SHELL OIL (untreated)
209	COCONUT OIL
210	COCONUT OIL FATTY ACID
211	COCONUT OIL FATTY ACID METHYL ESTER
212	2-ETHYL-2-(HYDROXYMETHYL) PROPANE-1,3-DIOL (C8-C10) ESTER
213	2-ETHYL-3-PROPYLACROLEIN
214	s-ETHYL DIPROPYLTHIOCARBAMATE
215	ETHYL TOLUENE
216	HEPTYL ACETATE
217	VINYLTOLUENE
218	ETHOXYLATED TALLOW AMINE (> 95%)
219	ETHOXYLATED LONG CHAIN (C16+) ALKYL OXYALKYLAMINE
220	ISO- AND CYCLO-ALKANES (C10-C11)
221	OLEIC ACID
222	OLEYLAMINE
223	FISH OIL
224	CORN OIL
225	MYRCENE
226	COPPER SALT OF LONG CHAIN (C17+) ALKANOIC ACID
227	LONG-CHAIN ALKARYL SULPHONIC ACID (C16-C60)
228	MAGNESIUM LONG-CHAIN ALKARYL SULPHONATE (C11-C50)
229	LONG-CHAIN ALKARYL POLYETHER (C11-C20)
230	CALCIUM LONG-CHAIN ALKYL (C11-C40) PHENATE
231	LONG-CHAIN ALKYLPHENOL (C14-C18)

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232	LONG-CHAIN ALKYLPHENOL (C18-C30)
233	CALCIUM LONG-CHAIN ALKYL PHENATE SULPHIDE (C8-C40)
234	LONG-CHAIN ALKYLPHENATE/PHENOL SULPHIDE MIXTURE
235	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)
236	CALCIUM LONG-CHAIN ALKYL (C18-C28) SALICYLATE
237	n-DODECYL MERCAPTAN
238	n-ALKANES (C10+)
239	n-ALKANES (C10-C20)
240	n-ALKANES (C9-C11)
241	n-OCTYL MERCAPTAN
242	FATTY ACID (SATURATED C13+)
243	FATTY ACIDS, (C12+)
244	FATTY ACIDS, (C16+)
245	FATTY ACIDS, (C8-C10)
246	FATTY ACIDS, ESSENTIALLY LINEAR (C6-C18) 2-ETHYLHEXYL ESTER
247	FATTY ACID METHYL ESTERS (m)
248	(POLYISOBUTENE) AMINO PRODUCTS IN ALIPHATIC HYDROCARBONS
249	VEGETABLE ACID OILS (m)
250	VEGETABLE FATTY ACID DISTILLATES (m)
251	LARD
252	PALM KERNEL ACID OIL
253	PALM KERNEL STEARIN
254	PALM KERNEL OIL
255	PALM KERNEL OLEIN
256	PALM KERNEL FATTY ACID DISTILLATE
257	PALM ACID OIL
258	PALM STEARIN
259	PALM OIL
260	PALM OLEIN
261	PALM OIL FATTY ACID METHYL ESTER



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262	PALM FATTY ACID DISTILLATE
263	PALM MID-FRACTION

Persistent oils in bulk in this catalogue are derived from crude oil, fuel oil, heavy diesel oil and lubricants listed in Annex I to the International Convention for the Prevention of Pollution from Ships, 1973, as amended by the Protocol of 1978. In addition to gasoline, light diesel and kerosene, whether other oils are non-persistent oils should be classified according to the International Oil Pollution Fund classification criteria for non-persistent oils.

Note: The evaporation of fractions at 340 C is not less than 50% of the total volume of hydrocarbons. The evaporation of distillates is not less than 95% of the total volume of hydrocarbons at 370 C. Oils determined in accordance with ASTM D86 of American Inspection Association or national standard GB/T 6536 Standard Test Method for Atmospheric Distillation of Petroleum Products and Liquid Fuels are regarded as non-persistent oils.