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MEPC.2/Circ.28
1 diciembre 2022

CLASIFICACIÓN PROVISIONAL DE LAS SUSTANCIAS LÍQUIDAS DE CONFORMIDAD CON EL ANEXO II DEL CONVENIO MARPOL Y EL CÓDIGO CIQ

1 Introducción

La presente circular se expide de conformidad con lo dispuesto en la regla 6.3 del Anexo II del Convenio MARPOL y sustituye a todas las circulares anteriores del mismo título.

2 Lista de anexos*

2.1 La presente circular incluye los anexos siguientes:

- Anexo 1:** Lista 1: Productos puros o técnicamente puros y mezclas evaluadas en su conjunto
- Anexo 2:** Lista 2: Mezclas únicamente contaminantes que contengan al menos un 99 % en peso de componentes que ya han sido evaluados por la OMI
- Anexo 3:** Lista 3: Mezclas conocidas por su nombre comercial que contengan al menos un 99 % en peso de componentes que ya han sido evaluados por la OMI y que presenten riesgos desde el punto de vista de la seguridad
- Anexo 4:** Lista 4: Mezclas contaminantes únicamente que contengan uno o varios componentes que formen más de un 1 % en peso de la mezcla y que aún no han sido evaluados por la OMI
- Anexo 5:** Lista 5: Sustancias utilizadas únicamente como componentes de mezclas conocidas por su denominación comercial
- Anexo 6:** Sinónimos de aceites vegetales
- Anexo 7:** Lista de abreviaturas de países
- Anexo 8:** Direcciones de los puntos de contacto de los acuerdos tripartitos
- Anexo 9:** Fabricantes autorizados a efectuar la evaluación, mediante cálculo, de contaminantes únicamente

* En inglés solamente.

- Anexo 10:** Aditivos de limpieza de los tanques de carga
- Anexo 11:** Biocombustibles reconocidos en virtud de las Directrices de 2019 para el transporte de mezclas de biocombustibles y cargas regidas por el Anexo I del Convenio MARPOL
- Anexo 12:** Combustibles de alto contenido energético regidos por el Anexo I del Convenio MARPOL

2.2 En los anexos 1 a 5 figuran las listas de las sustancias nocivas líquidas (o productos, como se denominarán en adelante), por categorías, con las prescripciones de transporte conexas, evaluadas y confirmadas por el Grupo técnico ESPH del Subcomité PPR, o como se hayan establecido en virtud de acuerdos tripartitos y se hayan comunicado a la Organización, de conformidad con la regla 6.3 del Anexo II del Convenio MARPOL. El propósito de los anexos 6 a 8, 11 y 12 es facilitar la notificación de los acuerdos tripartitos y la interpretación de las abreviaturas utilizadas en los anexos 1 a 5.

3 Notas relativas a los anexos

Listas de productos (anexos 1 a 5)

3.1 En la presente circular, la mayoría de los productos figuran con sus nombres comerciales. Dado que los nombres comerciales no se traducen, estos productos se han registrado exactamente como se han notificado a la Organización, y las listas se publican solamente en inglés.

3.2 La presente circular incluye las siguientes enmiendas a la información que figura en la circular previa (es decir, MEPC.2/Circ.27):

- .1 todos los nuevos productos, mezclas con nombres comerciales y aditivos de limpieza que hayan sido evaluados por el Grupo técnico ESPH a lo largo del año;
- .2 enmiendas a las entradas de productos existentes que figuran en las listas de productos; y
- .3 nuevas entradas de productos contempladas en los nuevos acuerdos tripartitos notificados a la Organización desde la publicación de la circular MEPC.2/Circ.26.

3.3 Las enmiendas introducidas en las listas de productos (anexos 1 a 5) desde la publicación de la circular MEPC.2/Circ.27 se marcan mediante el sombreado de los campos modificados. De conformidad con la circular PPR.1/Circ.10, la fecha de vencimiento de los productos enumerados en los anexos 2 y 3 que se evaluaron antes del ESPH 25 (14 a 18 de octubre de 2019) se ha ajustado al 31 de diciembre de 2025.

3.4 En algunos casos, cabe la posibilidad de que se hayan suprimido productos de las listas de productos por los siguientes motivos:

- .1 por modificaciones en los nombres de los productos (productos designados por su nombre comercial);
- .2 por la retirada de productos que han dejado de fabricarse o expedirse (productos designados por su nombre comercial);

- .3 por tratarse productos que se han considerado conformes a los criterios aplicados para aceptar mezclas complejas como cargas del Anexo I del Convenio MARPOL;
- .4 por tratarse de entradas contempladas en acuerdos tripartitos que han llegado a su fecha de vencimiento, pero que no se han evaluado durante el periodo previsto en el acuerdo tripartito.

3.5 No obstante lo antedicho, si un acuerdo tripartito ha vencido o se han modificado las prescripciones de transporte aplicables a un producto entre la anterior circular y la siguiente, mientras una remesa está en tránsito, se aplicarán las prescripciones de transporte vigentes en el momento del embarque.

3.6 Cuando una carga se embarque antes de la fecha de entrada en vigor de una enmienda al Código CIQ y se desembarque después de su fecha de entrada en vigor, se deberían aplicar las disposiciones pertinentes del Código CIQ en el momento del embarque hasta que esa carga se desembarque.

3.7 Cuando el producto lleva un asterisco (*), este indica que, basándose en la opinión de expertos, los criterios de asignación de algunas prescripciones de transporte se desvían de los criterios normales de asignación que figuran en el capítulo 21 del Código CIQ.

3.8 A los efectos de la presente circular, la definición de los productos de la lista 1 corresponde a la definición de productos que se indica en los capítulos 17 y 18 del Código CIQ. Los productos que figuran en la lista se contemplan en un acuerdo tripartito, con fecha de vencimiento, es decir, aún no han sido evaluados ni se han confirmado sus prescripciones de transporte, o bien éstas se han modificado a raíz de la última serie de enmiendas al Código CIQ. Tales productos se transferirán debidamente al Código CIQ en la siguiente enmienda y, en consecuencia, se retirarán de la lista 1. Las listas de productos restantes (anexos 2 a 5) no se corresponden con las listas que figuran en el Código CIQ, y las entradas que figuran en dichas listas permanecerán en la circular, a reserva de lo dispuesto en el párrafo 3.4 *supra*.

3.9 En el caso de los productos incluidos en la lista 1 cuyas prescripciones de transporte se han modificado después de la última serie de enmiendas al Código CIQ, el Grupo técnico ESPH decidirá si se añade o no un calificativo al nombre del producto. El uso de un calificativo tiene por objeto permitir que un producto reclasificado se expida con arreglo a las prescripciones de transporte actualizadas, tal como se enumeran en la circular correspondiente de la serie MEPC.2, antes de la entrada en vigor de la siguiente enmienda al Código CIQ.

3.10 Si se acuerda que debe añadirse un calificativo, entonces el nombre del producto incluido en esta circular será el nombre del producto que figure en el Código CIQ seguido de "(enmendado)", que será el nuevo nombre provisional del producto: por ejemplo, "éter etil terc-butílico (enmendado)".

3.11 Añadir un calificativo al nombre del producto significa que el producto reclasificado, bajo su nuevo nombre de producto provisional, se considerará un producto separado con respecto al Código CIQ, aunque su composición química sea la misma. Cuando vaya a expedirse un producto a cuyo nombre se haya añadido un calificativo, el producto debería incluirse en la adición del Certificado.

3.12 Todas las notas a pie de página de las entradas de la lista 1 (que figuran entre paréntesis a continuación de la entrada del producto) de la presente circular están definidas al final del capítulo 17 del Código CIQ.

Códigos de países y territorios (anexo 7)

3.13 La lista de abreviaturas de los nombres de países y territorios refleja las abreviaturas utilizadas en el Sistema mundial integrado de información marítima (GISIS), que es el sistema empleado por la Organización como depósito de toda la información recibida sobre los productos y de las decisiones adoptadas con respecto a la asignación de los perfiles de peligrosidad (por el Grupo de trabajo EHS del GESAMP) y las prescripciones de transporte (por el Grupo técnico ESPH), para cada producto.

3.14 Estos códigos se basan en el sistema armonizado LOCODE/Naciones Unidas, un sistema de códigos geográficos elaborado y mantenido por la Comisión Económica para Europa de las Naciones Unidas (CEPE-Naciones Unidas), un organismo de las Naciones Unidas. Dichos códigos se detallan en el anexo 7. En la parte 1 de dicho anexo, las entradas se ordenan alfabéticamente por código, y en la parte 2, por país/territorio.

Aditivos de limpieza de los tanques de carga (anexo 10)

3.15 El Anexo II del Convenio MARPOL establece los límites para la descarga de sustancias nocivas líquidas e incluye restricciones sobre los tipos de aditivos de limpieza que pueden utilizarse en las operaciones de lavado de tanques.

3.16 Todos los aditivos de limpieza que se indican en la presente circular (anexo 10) han sido evaluados por el Grupo técnico ESPH, de conformidad con lo dispuesto en la "Nota de orientación y formulario para los aditivos de limpieza de tanques, revisados" (MEPC.1/Circ.590), y se ha determinado que cumplen las prescripciones de la regla 13.5.2 del Anexo II del Convenio MARPOL.

3.17 Cuando los productos o las soluciones de productos que figuran en los capítulos 17 o 18 del Código CIQ o en la lista 1 de la presente circular se utilicen como agentes de lavado, su descarga se regirá por lo dispuesto en la regla 13.5.1 del Anexo II del Convenio MARPOL. Debido a ello, no es necesario enumerarlos en el anexo 10 de la presente circular.

Biocombustibles utilizados en mezclas de biocombustibles y de cargas regidas por el Anexo I del Convenio MARPOL (anexo 11)

3.18 En el anexo 11 figura la lista de los biocombustibles aprobados, que se contemplan en las "Directrices de 2019 para el transporte de mezclas de biocombustibles y de cargas regidas por el Anexo I del Convenio MARPOL" (MSC-MEPC.2/Circ.17).

Combustibles de alto contenido energético regidos por el Anexo I del Convenio MARPOL (anexo 12)

3.19 En el anexo 12 figura la lista de combustibles de alto contenido energético reconocidos, de conformidad con las "Directrices para el transporte de combustibles de alto contenido energético y sus mezclas" (MEPC.1/Circ.879).

4 Notificación de nuevas entradas en virtud de acuerdos tripartitos

4.1 Las "Directrices para la clasificación provisional de sustancias líquidas transportadas a granel" figuran en la circular MEPC.1/Circ.512/Rev.1. Se pide a las Administraciones que, cuando notifiquen a la Organización cualquier clasificación provisional efectuada en virtud de un acuerdo tripartito, tengan a bien:

- .1 especificar la lista en la que debería introducirse la entrada correspondiente al producto; y
- .2 facilitar toda la información pertinente que ha de figurar en la circular.

4.2 Además, para ayudar mejor a los países a determinar las prescripciones de transporte aplicables a los productos a granel, en el sitio web de la OMI se ha publicado un resumen de las "Referencias a la información y las recomendaciones conexas a fin de determinar las prescripciones de transporte para los productos expedidos a granel", al que puede accederse en:

<https://www.imo.org/es/OurWork/Environment/Pages/TripartiteAgreements.aspx>

utilizando el enlace que se encuentra debajo de "Related documents"* (Documentos conexos) en la columna situada a la derecha de la página.

4.3 Dado que la mayoría de los productos notificados a la Organización se clasifican mediante el "método de cálculo" (véase la circular MEPC.1/Circ.512/Rev.1) y posiblemente se integren en la lista 2, resulta particularmente importante que la información se facilite a la Organización en un formato que permita su transferencia, de forma precisa y eficiente, a la base de datos utilizada para compilar las diferentes listas incluidas en la presente circular.

4.4 Por lo que respecta a los productos de la lista 2, el método preferido es el envío de la información ajustándose al modelo siguiente:

País notificante	
Fabricante	
Nombre comercial	
Número de lista	
Contenido (nombre)	
Categoría de contaminación (Cat)	
Tipo de buque (TB)	
Número N.E.P.	
Punto de fusión (°C) (Pdf)	
Punto de inflamación (v.c., °C) (Pdi)	
Viscosidad a 20 °C (mPa·s) (V ₂₀)	

4.5 En relación con los productos que deben incluirse en las listas 1, 3 o 4, es preferible utilizar el modelo que figura en el apéndice 6 del anexo de la circular MEPC.1/Circ.512/Rev.1.

4.6 Si los datos recibidos sobre un producto son incompletos, la presentación de información se retrasará, dado que la solicitud se devolverá al remitente para que la complete.

4.7 A la vez que se subraya la importancia de enviar a la Organización información correcta, cabe señalar en particular que, cuando se proponga un producto para las listas 2 o 4, en el nombre de expedición debería indicarse a continuación de "Contains" (Contenido) el componente que pueda causar la contaminación más grave. Esto se conoce como "Contenido (nombre)". Tal componente es el que posee el valor más elevado, obtenido con el método de cálculo. En caso de que exista más de un componente con valores máximos equivalentes, se decidirá, según se estime oportuno, si en "Contenido (nombre)" se indicará solo uno o todos ellos. El nombre que se utilice para el componente o componentes debería corresponder al que figura en los capítulos 17 o 18 del Código CIQ o en las listas 1 o 5 de la presente circular.

* En inglés solamente.

4.8 Conviene señalar también que toda sustancia nociva líquida que se presente para su transporte a granel deberá indicarse en el documento de expedición mediante el nombre del producto con el que figura en los capítulos 17 o 18 del Código CIQ o en la edición más reciente de la presente circular, o mediante el nombre con el que se haya clasificado provisionalmente de conformidad con el acuerdo tripartito. A este respecto, se prestará especial atención a la circular BLG.1/Circ.17, sobre la utilización del nombre de expedición al presentar cargas líquidas a granel para transporte, y a la circular BLG.1/Circ.25, que trata de la utilización de nombres de productos específicos en lugar de entradas genéricas cuando existan las dos posibilidades al describir una carga líquida a granel.

4.9 Cuando se expida una mezcla únicamente contaminante (sustancias de las listas 2 o 4), el nombre de expedición estará formado por la correspondiente entrada N.E.P. que figura en el Código CIQ, acompañada del nombre comercial y de información sobre el producto contenido en la mezcla. Por ejemplo, si el nombre comercial corresponde a IMO 1234 y si la mezcla contiene "alquilsalicilato de calcio de cadena larga (C13+)" como componente que presenta el riesgo más elevado de contaminación, el nombre correcto del producto será:

Líquido nocivo, no inflamable, 5, N.E.P. (IMO 1234 contiene alquilsalicilato de calcio de cadena larga (C13+)), T.B. 2, Cat. Y

4.10 El capitán de un buque de tipo 2 certificado como apto para transportar productos de la categoría N.E.P. sabrá entonces que está en condiciones de aceptar la carga sin preocuparse por riesgos de incendio, de toxicidad u otros riesgos para la seguridad y que, en caso de producirse un derrame accidental, podrá notificar a las autoridades del Estado ribereño el nombre de la sustancia responsable de la contaminación.

4.11 Cuando se transporten mezclas conocidas por su nombre comercial, es decir, aquellas que contengan al menos un 99 % en peso de componentes ya evaluados por la OMI y que presenten riesgos para la seguridad (sustancias de la lista 3), el nombre de expedición estará formado por el nombre comercial y la información sobre el producto contenido en la mezcla. Por ejemplo, si el nombre comercial es XYZ 4567 y contiene "ácido clorhídrico" como componente que presenta el riesgo más elevado de contaminación o de seguridad, el nombre correcto del producto será:

- XYZ 4567 (contiene ácido clorhídrico); o
- XYZ 4567 contiene ácido clorhídrico.

5 Direcciones de los puntos de contacto de los acuerdos tripartitos

5.1 En virtud de lo establecido en la resolución MEPC.109(49) sobre acuerdos tripartitos, se considerará que las Administraciones que no hayan comunicado a la Organización sus últimos datos de contacto aceptan los acuerdos tripartitos, en tanto que los demás puntos de contacto deberían continuar cumpliendo lo dispuesto en la regla 6.3 del Anexo II del Convenio MARPOL.

5.2 Por consiguiente, se alienta a las Administraciones a que comprueben la exactitud de su información de contacto respectiva, que figura en el anexo 8 de la presente circular, y a que corrijan cualesquiera errores u omisiones.

5.3 A este respecto, cabe señalar que los puntos de contacto de los acuerdos tripartitos están disponibles en la base de datos del GISIS (<https://gisis.imo.org>) y que las Administraciones interesadas pueden introducir directamente las enmiendas necesarias en la base de datos.

TRIPARTITE AGREEMENTS

List 1: Pure or technically pure products and mixtures assessed as a whole

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Alkyl (C3-C11) benzenes with phenol-formaldehyde/acrylate polymers (33% or less)		All countries		None	X	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
Alkylphenol alkoxylate	USA	ARG, BRA, CHL, ECU, PER, URY	08/06/22	31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Alkylphenols (C10-C18, C12 rich)		All countries		None	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Brassica carinata oil		All countries		None	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Calcium chloride solution (greater than 35%)	NLD	BHS, BRB, BEL, CAN, CYM, HRV, CYP, DNK, FIN, DEU, LBR, MLT, MHL, NOR, PAN, PRT, SGP, SWE, TUR, GBR, USA	09/03/21	31/12/24	Z	S	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6
Calcium chloride solution (less than 35%) (*)		All countries		None	Z	S	3	2G	Open	No	-	-	NF	R	No	No	No	15.19.6
Choline hydroxide solution		All countries		None	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Concentrated filtrate of the neutralized reaction product of 5-[2-(methylthio)alkyl]imidazolidine-2,4-dione and potassium carbonate		All countries		None	Z	P	3	2G	Open	No	-	-	NF	O	No	No	No	16.2.9
Creosote (coal tar) (amended)		All countries		31/12/23	X	S/P	2	2G	Cont	No	T2	IIA	Yes	C	T	AD	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9
Creosote (coal tar) (C8-C22, MW 116-278)		All countries		None	X	S/P	2	2G	Cont	No	T2	IIA	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9
2,4-Dichlorophenoxy acetic acid, choline salt solution		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6
Empty palm fruit bunch oil	FIN	BMU, CYM, HKG, IDN, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PHL, KOR, SGP, ESP, GBR	08/12/2021	31/12/24	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Epoxidized soybean oil	ARG	BRA, NLD, NOR, ESP	25/03/22	31/12/25	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7
Ethyl tert-butyl ether (amended)		All countries		None	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F	ABC	No	15.19.6
Fish by-products (fresh) (*)		All countries		None	Z		NA											
Fish silage (containing 3% or less formic acid with antioxidant)		All countries		None	Z		NA											
1,3,5-Hexahydrotriethanol-1,3,5-triazine solution		All countries		None	Y	S/P	2	2G	Open	No	-	-	NF	R	No	No	No	15.19.6
Hexahydro-1,3,5-trimethyl-1,3,5-triazine solution (45% or less)		All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19

See footnotes in chapter 17 of the IBC Code if applicable.

TRIPARTITE AGREEMENTS

List 1: Pure or technically pure products and mixtures assessed as a whole

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
[[[(2-hydroxyethyl)imino]dimethylene]bisphosphonic acid, sodium salt solution	GBR	NOR	08/06/2022	31/12/25	Z	P	3	2G	Open	No	-	-	NF	O	No	No	No	
Isoalkanes (C16-C18)		All countries		None	Y	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Maleic acid/Acrylic acid/Ethenylsulphonic acid/Ethenylphosphonic acid polymer, sodium salt in aqueous/ethylene glycol solution		All countries		None	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Methyl acrylate		All countries		None	Y	S/P	3	2G	Cont	No	T1	IIB	No	C	FT	AC	No	15.12, 15.13, 15.17, 15.19, 16.6.1, 16.6.2
N,N'-Methylene-bis(5-methyloxazolidine)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Methyl methacrylate		All countries		None	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.13, 15.19.6, 16.6.1, 16.6.2
Offshore contaminated bulk liquid Treated (containing less than 0.8% of an H2S Scavenger) (o)	NOR	FRO, GBR	20/11/20	31/12/23	X	P	2	2G	Cont	No	-	-	Yes	C	No	AC	No	15.15, 15.19.6
alpha-Olefin (C12+) mixtures		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.7, 16.2.9
Palm oil mill effluent oil		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Palm oil mill effluent oil fatty acid distillate		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.7, 16.2.9
[[[(Phosphonomethyl)imino]bis[ethylenenitri]lobis(methylene)]]tetrakisphosphonic acid, ammonium salt solution (60% or less)		All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6
Polyalkene sulphonic acid (C16-C18), sodium salt solution		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Pyridinium, 1-(phenylmethyl)-, alkyl derivatives, chlorides (30% or less)/Ethoxylated nonylphenols (10% or less) in isopropanol (15% or less)/Methanol (3% or less) solution		All countries		None	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19, 16.2.6
Sodium chlorate solution (50% or less) (amended) (*)		All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	R	No	No	No	15.9, 15.19, 16.2.9
Sodium chloride solution (less than 30%)		All countries		None	Z			NA										
Sodium dodecylpoly(oxyethylene) sulphate solution		All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Sorbitol propoxylated	NLD	BEL, CYM, CHN, HKG, LBR, MLT, MHL, NOR, PAN, SAU, SGP, ESP, THA, ARE, GBR	01/06/21	31/12/24	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	

See footnotes in chapter 17 of the IBC Code if applicable.

TRIPARTITE AGREEMENTS

List 1: Pure or technically pure products and mixtures assessed as a whole

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Spent bleaching earth vegetable oil (up to 20% free fatty acids, less than 1% hexane) (m)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.7, 16.2.9
Spent bleaching earth vegetable oil fatty acid distillate (m)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.7, 16.2.9
Sulphonated alkylcarboxylic acid polymer salt	GBR	NOR	14/04/21	31/12/24	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
1,1,3,3-Tetrachloroprop-1-ene	FRA	BEL, CYM, DNK, LBR, LUX, MHL, NLD, PAN, SGP, GBR, USA	28/06/22	31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABD	No	15.12, 15.16.2, 15.17, 15.19.6
Tricyanohexane		All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9

TRIPARTITE AGREEMENTS

List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

MEPC.2/Circ.28

Annex 2

1 December 2022

Page 1 of 5

Tradename	n.o.s.	Contains	Rep	Receive Date	Expiry Date	Cat	ST	Remark	Company
ACPC22005A	6	Xylene	USA	15/08/19	31/12/25	Y	2		ChampionX
Additive ED95 102	10	Methyl tert-butyl ether	SWE	02/03/09	31/12/25	Z	3		SEKAB BioFuels & Chemicals
ALCOFREEZE BASE	11	Ethyl alcohol	USA	22/05/19	31/12/25	Z	NA		ALCOGROUP
ALFOL 610 ADE ALCOHOL	5	Decyl alcohol (all isomers)	USA	12/11/07	31/12/25	Y	2		Sasol
Articscreen bio	8	Ethyl alcohol	NLD	21/11/11	31/12/25	Y	3		Silcompa
ASH 1925	7	Iso- and Cyclo- Alkanes (C12+)	ZAF	27/12/06	31/12/25	Y	3		PetroSA
ASH 2636	7	Iso- and Cyclo- Alkanes (C12+)	ZAF	27/12/06	31/12/25	Y	3		PetroSA
ASH-H	7	Iso- and Cyclo- Alkanes (C12+)	ZAF	27/12/06	31/12/25	Y	3		PetroSA
ASH-M	7	Iso- and Cyclo- Alkanes (C12+)	ZAF	27/12/06	31/12/25	Y	3		Petro-SA
Butoxypolyglycol Basic	5	Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether acetate	USA	01/05/12	31/12/25	Y	2		Dow
C9/C10 AROMATICS	4	Trimethylbenzene (all isomers)	GBR	14/05/07	31/12/25	X	2		SABIC (UK)
CAN 17	9	Calcium nitrate; Ammonium nitrate	NOR	18/04/07	31/12/25	Z	3		Yara International S. A.
CELANESE MAM BLEND	8	Dodecyl alcohol	USA	06/03/07	31/12/25	Y	3		Celanese
CFX 2000	7	Iso- and Cyclo- Alkanes (C12+)	BEL	18/09/06	31/12/25	Y	3		ExxonMobil
CFX 2100	7	Iso- and Cyclo- Alkanes (C10-C11)	BEL	18/09/06	31/12/25	Y	3		ExxonMobil
CN9	11	Calcium nitrate less than 50%; Ammonium nitrate less than 10%	NOR	18/04/07	31/12/25	Z	NA		Yara International S. A.
DenatMix	10	Methyl tert-butyl ether	SWE	02/03/09	31/12/25	Z	3		SEKAB BioFuels & Chemicals
Dibasic esters	3	Dimethyl adipate	USA	19/01/07	31/12/25	X	2		Invista
DPAS 160, KEMGUARD 269	9	Maleic anhydride sodium allylsulphonate copolymer	NOR	10/09/10	31/12/25	Z	3		Clariant Oil Services Scandinavia AS
EC6359A	7	[[[(2-hydroxyethyl)imino]dimethylene]bisphosphonic acid, sodium salt	USA	31/07/18	31/12/25	Y	3		ChampionX
EC6475A	7	Diethylenetriamine pentaacetic acid, pentapotassium salt (40% solution)	GBR	03/10/14	31/12/25	Y	3		ChampionX
EC6660A	7	Diethylenetriamine pentamethylene phosphonic acid, pentasodium salt solution	GBR	03/10/14	31/12/25	Y	3		ChampionX
ECOROL 24	5	Dodecyl alcohol	JPN	10/03/06	31/12/25	Y	2		Ecogreen
ED95 Base	11	Ethyl alcohol	BRA	18/05/11	31/12/25	Z	NA		SEKAB BioFuels & Chemicals AB
EPF S20	8	Alkanes (C6-C9)	SGP	25/09/06	31/12/25	Y	3		ExxonMobil
Epikote TN 1001-X-75	4	Diphenol propane epichlorohydrin resins	NLD	02/03/06	31/12/25	X	2		Hexion Spec. Ch. BV
Escaid 110 Special Fluid	7	Iso- and Cyclo- Alkanes (C12+)	SGP	25/04/11	31/12/25	Y	3		ExxonMobil
Etamax D	10	Methyl tert-butyl ether	SWE	25/11/08	31/12/25	Z	3		SEKAB BioFuels & Chemicals
Etamax UB	11	Ethyl alcohol	SWE	29/01/08	31/12/25	Z	NA		SEKAB BioFuels & Chemicals
ETHYLOL 78	11	Ethyl alcohol	ZAF	02/01/07	31/12/25	Z	NA		SASOL
ETHYLOL 95	11	Ethyl alcohol	ZAF	12/01/07	31/12/25	Z	NA		SASOL
ETHYLOL 99	11	Ethyl alcohol	ZAF	02/01/07	31/12/25	Z	NA		SASOL
Exxal 8 Alcohol	5	Octanol (all isomers)	USA	16/10/06	31/12/25	Y	2		ExxonMobil
Exxal 9 Alcohol	5	Nonyl alcohol	NLD	19/10/06	31/12/25	Y	2		ExxonMobil
Exxal 10 Alcohol	5	Decyl alcohol (all isomers)	USA	24/11/06	31/12/25	Y	2		ExxonMobil
Exxal 13 Alcohol	5	Alcohols (C13+)	NLD	19/10/06	31/12/25	Y	2		ExxonMobil
Exxal L9 Alcohol	5	Nonyl alcohol (all isomers)	USA	16/03/07	31/12/25	Y	2		ExxonMobil

TRIPARTITE AGREEMENTS

List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

MEPC.2/Circ.28

Annex 2

1 December 2022

Page 2 of 5

Tradename	n.o.s.	Contains	Rep	Receive Date	Expiry Date	Cat	ST	Remark	Company
FORSA™ SCW88003 SCALE INHIBITOR	9	[[[(phosphonomethyl)imino]bis [ethylenenitriolbis (methylene)]]]tetrakisphosphonic acid, ammonium salt solution 60% or less)	GBR	07/12/18	31/12/25	Z	3		Baker Hughes Limited
Frostschutz	8	Ethylene glycol	NLD	01/05/07	31/12/25	Y	3		PROCAR B.V.
Gypton SA3360	7	2-Propene-1-aminium; N,N-dimethyl-n-2-propenyl, chloride homopolymer (solution)	NOR	22/10/13	31/12/25	Y	3		ChampionX
Gypton SD250	9	Potassium carbonate solution	NOR	12/11/12	31/12/25	Z	3		ChampionX
Gypton SD250 in KCl solution	9	Potassium carbonate solution	NOR	21/11/12	31/12/25	Z	3		ChampionX
H.B.R. (Volatile Oil)	6	Cyclopentane	JPN	07/12/06	31/12/25	Y	2		H.B.R.
HDM 10 Base	7	Rapeseed oil	GBR	10/11/06	31/12/25	Y	3	High Viscosity	Alchemy Oilfield
HITEC 6561	5	Dodecene (all isomers)	USA	06/11/07	31/12/25	Y	2		Afton Chemical
HiTEC 9300	5	Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	15/04/13	31/12/25	Y	2	High Viscosity	Afton Chemical Corporation
HiTEC 9345	5	Mineral oil	USA	21/05/12	31/12/25	Y	2	High Viscosity	Afton Chemical Corporation
HiTEC 9345B	5	Mineral oil	USA	21/05/12	31/12/25	Y	2	High Viscosity	Afton Chemical Corporation
HiTEC 9345T	5	Mineral oil	USA	04/03/11	31/12/25	Y	2	High Viscosity	Afton Chemical Corporation
HYDROTREATED C5 (HTC5)	8	Pentane (all isomers)	GBR	14/05/07	31/12/25	Y	3		SABIC (UK)
Infineum D1688	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum D3424	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum D3434	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum D1284	5	Zinc alkyl dithiophosphate (C3-C14)	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum D1288	5	Zinc alkyl dithiophosphate (C3-C14)	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum D1294	5	Mineral oil	ITA	23/11/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum D1640	5	Mineral oil	ITA	29/02/08	31/12/25	Y	2	High Viscosity	Infineum
Infineum D1642	5	Mineral oil	ITA	27/02/07	31/12/25	Y	2	High Viscosity	Infineum
Infineum D3348	5	Mineral oil	ITA	23/11/06	31/12/25	Y	2		Infineum
Infineum D3354	5	Mineral oil	ITA	23/11/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum D3356	5	Mineral oil	ITA	23/11/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum D3426	5	Mineral oil	ITA	26/10/07	31/12/25	Y	2	High Viscosity	Infineum
Infineum M7071	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2		Infineum
Infineum M7081A	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum M7089	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2		Infineum
Infineum M7090	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum P5066	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum P5151	5	Mineral oil	ITA	23/11/06	31/12/25	Y	2		Infineum
Infineum P5314	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum P5315	5	Mineral oil	SGP	26/09/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum P5318	5	Mineral oil	ITA	29/02/08	31/12/25	Y	2	High Viscosity	Infineum
Infineum P5320	5	Mineral oil	ITA	27/02/07	31/12/25	Y	2	High Viscosity	Infineum
Infineum P5335	5	Mineral oil	SGP	05/12/07	31/12/25	Y	2	High Viscosity	Infineum
Infineum P5601	5	Mineral oil	ITA	20/09/10	31/12/25	Y	2	High Viscosity	Infineum

TRIPARTITE AGREEMENTS

List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

MEPC.2/Circ.28

Annex 2

1 December 2022

Page 3 of 5

Tradename	n.o.s.	Contains	Rep	Receive Date	Expiry Date	Cat	ST	Remark	Company
Infineum P6212	5	Zinc alkyl dithiophosphate (C3-C14)	ITA	23/11/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum P6213	5	Zinc alkyl dithiophosphate (C3-C14)	ITA	23/11/06	31/12/25	Y	2	High Viscosity	Infineum
Infineum P6216	5	Zinc alkyl dithiophosphate (C3-C14)	ITA	23/11/06	31/12/25	Y	2	High Viscosity	Infineum
Isopar G	7	Iso- and Cyclo- Alkanes (C10-C11)	BEL	01/09/06	31/12/25	Y	3		ExxonMobil
Isopar H	7	Iso- and Cyclo- Alkanes (C10-C11)	BEL	01/09/06	31/12/25	Y	3		ExxonMobil
Isopar L	7	Iso- and Cyclo- Alkanes (C12+)	BEL	01/09/06	31/12/25	Y	3		ExxonMobil
Isopar L (E)	7	Iso- and Cyclo- Alkanes (C12+)	BEL	16/06/14	31/12/25	Y	3		ExxonMobil
ISOPAR L AP	7	Iso- and Cyclo- Alkanes (C12+)	SGP	20/04/15	31/12/25	Y	3		ExxonMobil Chemical
Isopar M	9	Iso- and Cyclo- Alkanes (C12+)	BEL	01/09/06	31/12/25	Z	3		ExxonMobil
Isopar N	7	Iso- and Cyclo- Alkanes (C12+)	GBR	28/10/14	31/12/25	Y	3		ExxonMobil
ISO-PROPYLLOL	11	Isopropyl alcohol	ZAF	12/01/07	31/12/25	Z	NA		SASOL
KALCOL 1260	5	Dodecyl alcohol	MYS	10/11/06	31/12/25	Y	2		Fatty Chemical (MYS)
KALCOL 2465	5	Dodecyl alcohol	USA	14/06/06	31/12/25	Y	2		Fatty Chemical (MYS)
KALCOL 2470	5	Dodecyl alcohol	USA	14/06/06	31/12/25	Y	2		Fatty Chemical (MYS)
KemSweep NLP 5000	7	Iso- and Cyclo- Alkanes (C12+)	GBR	07/01/16	31/12/25	Y	3		Kemira
LINEVOL 911	3	Undecyl alcohol	USA	14/05/07	31/12/25	X	2		Shell
Lubrizol 4800R	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	31/12/25	Y	2	High Viscosity	Lubrizol
Lubrizol 9297	5	Calcium long chain alkyl phenate sulphide (C8-C40)	USA	30/09/06	31/12/25	Y	2	High Viscosity	Lubrizol
Lubrizol 9915A	5	Zinc alkaryl dithiophosphate (C7-C16)	USA	30/09/06	31/12/25	Y	2	High Viscosity	Lubrizol
Lubrizol 9990A	5	Mineral oil	USA	30/09/06	31/12/25	Y	2	High Viscosity	Lubrizol
Lubrizol 16008	5	Mineral oil	USA	03/03/08	31/12/25	Y	2	High Viscosity	Lubrizol
Lubrizol 16010J	5	Mineral oil	USA	26/06/07	31/12/25	Y	2	High Viscosity	Lubrizol
Lubrizol 16011L	5	Mineral oil	USA	06/06/08	31/12/25	Y	2	High Viscosity	Lubrizol
Lubrizol 70135	5	Mineral oil	USA	30/09/06	31/12/25	Y	2	High Viscosity	Lubrizol
Lubrizol PV1127	5	Alkenyl (C11+) amide	USA	21/07/10	31/12/25	Y	2	High Viscosity	Lubrizol
MIX 30	12	Vegetable protein solution (hydrolysed)	USA	02/03/12	31/12/25	OS		High Viscosity	AgriDyne LLC
MOSSPAR 1925	7	Iso- and Cyclo- Alkanes (C12+)	ZAF	27/12/06	31/12/25	Y	3		PetroSA
MOSSPAR 2636	7	Iso- and Cyclo- Alkanes (C12+)	ZAF	27/12/06	31/12/25	Y	3		PetroSA
MOSSPAR H	7	Iso- and Cyclo- Alkanes (C12+)	ZAF	27/12/06	31/12/25	Y	3		PetroSA
MOSSPAR M	7	Iso- and Cyclo- Alkanes (C12+)	ZAF	27/12/06	31/12/25	Y	3		PetroSA
MOSSPEN 10	8	Pentane (all isomers)	ZAF	27/12/06	31/12/25	Y	3		PetroSA
MOSSTANOL 120	8	n-Propyl alcohol	ZAF	27/12/06	31/12/25	Y	3		PetroSA
MOSSTANOL L	11	Ethyl alcohol	ZAF	27/12/06	31/12/25	Z	NA		PetroSA
MOSSTANOL P	6	Cyclopentanol	ZAF	28/01/07	31/12/25	Y	2		PetroSA
Neodol 23	5	Alcohols (C13+)	USA	15/01/07	31/12/25	Y	2		Shell
Neodol 24	5	Dodecyl alcohol	USA	21/11/08	31/12/25	Y	2		Shell
Neodol 25	5	Dodecyl alcohol	USA	01/03/07	31/12/25	Y	2		Shell
Neodol 91	3	Undecyl alcohol	USA	16/03/07	31/12/25	X	2		Shell

TRIPARTITE AGREEMENTS

List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s.	Contains	Rep	Receive Date	Expiry Date	Cat	ST	Remark	Company
Neodol 135	3	Undecyl alcohol	USA	25/01/07	31/12/25	X	2	High Viscosity	Shell
NEXBASE 3015	5	Iso- and Cyclo- Alkanes (C12+)	USA	13/03/19	31/12/25	Y	2		Chevron
NEXBASE@3020	5	Iso- and Cyclo- Alkanes (C12+)	USA	08/05/08	31/12/25	Y	2		Chevron
NEXBASE@3030	5	Iso- and Cyclo- Alkanes (C12+)	USA	08/05/08	31/12/25	Y	2		Chevron
NEXBASE@3043	5	Iso- and Cyclo- Alkanes (C12+)	USA	08/05/08	31/12/25	Y	2		Chevron
NEXBASE@3050	5	Iso- and Cyclo- Alkanes (C12+)	USA	08/05/08	31/12/25	Y	2	High Viscosity	Chevron
NEXBASE@3060	5	Iso- and Cyclo- Alkanes (C12+)	USA	08/05/08	31/12/25	Y	2	High Viscosity	Chevron
NEXBASE@3080	5	Iso- and Cyclo- Alkanes (C12+)	USA	08/05/08	31/12/25	Y	2	High Viscosity	Chevron
Octimise G2003	5	Solvent naphtha	BEL	27/02/07	31/12/25	Y	2		Innospec
Octimise G2048	5	Alkyl (C3-C4) benzenes	BEL	23/02/10	31/12/25	Y	2		Innospec
OLOA 219M	5	Calcium long chain alkyl phenate sulphide (C8-C40)	USA	02/03/07	31/12/25	Y	2	High Viscosity	Chevron Oronite
OLOA 219U	5	Calcium long chain alkyl phenate sulphide (C8-C40)	USA	02/03/07	31/12/25	Y	2	High Viscosity	Chevron Oronite
OLOA 275JD	5	Mineral oil	USA	06/06/08	31/12/25	Y	2		Chevron Oronite
OLOA 1571	5	Mineral oil	USA	25/01/07	31/12/25	Y	2		Chevron Oronite
OLOA 15500	5	Mineral oil	USA	25/01/07	31/12/25	Y	2		Chevron Oronite
OLOA 48019	5	Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	01/02/11	31/12/25	Y	2	High Viscosity	Chevron Oronite S.A.S.
OLOA 49812	5	Mineral oil	USA	24/10/07	31/12/25	Y	2	High Viscosity	Chevron Oronite
OLOA 49814	5	Mineral oil	USA	24/10/07	31/12/25	Y	2	High Viscosity	Chevron Oronite
OLOA 59707	5	Mineral oil	USA	06/03/07	31/12/25	Y	2	High Viscosity	Chevron Oronite
OrePrep F-597 Frother	7	1,6-Hexanediol distillation	USA	06/03/07	31/12/25	Y	3		CYTEC
Petrinex T9	3	Naphthalene	GBR	14/05/07	31/12/25	X	2		SABIC (UK)
PHASETREAT 7623	9	Ethylene glycol monoalkyl ethers	NOR	16/10/17	31/12/25	Z	3		Clariant Oil Services Scandinavia AS
PROP BH	8	n-Propyl alcohol	ZAF	12/01/07	31/12/25	Y	3		SASOL
R-50428	7	Ethylene glycol	USA	15/05/07	31/12/25	Y	3		North American Shipbuilding
Refinery MTBE	6	Methyl tert-butyl ether	FIN	12/11/18	31/12/25	Y	2		Neste
RM 50141	4	Propylene tetramer	USA	15/01/07	31/12/25	X	2		Chevron Oronite
RM 50132	4	Propylene tetramer	USA	05/11/08	31/12/25	X	2		Chevron Oronite
RM 50142	4	Propylene tetramer	USA	03/07/06	31/12/25	X	2		Chevron Oronite
RM 50440	4	Propylene tetramer	USA	03/11/08	31/12/25	X	2		Chevron Oronite
SABUTOL	8	n-Propyl alcohol	ZAF	15/01/07	31/12/25	Y	3		SASOL
SBP 60-95	4	Hexane (all isomers)	ISR	30/09/06	31/12/25	X	2		Gadiv
SCAL16080A	9	Polyphosphoric acids, esters with triethanolamine, sodium salts solution	GBR	01/08/18	31/12/25	Z	3		ChampionX
SCAL16475A	7	Diethylenetriamine pentaacetic acid, pentapotassium salt (40% solution)	GBR	03/10/14	31/12/25	Y	3		ChampionX
SCAL16660A	7	Diethylenetriamine pentamethylene phosphonic acid, pentasodium salt solution	GBR	03/10/14	31/12/25	Y	3		ChampionX
SCALETREAT 8031D	11	L-Aspartic acid, homopolymer, sodium salt (aqueous solution)	NOR	04/08/14	31/12/25	Z	NA		Clariant Oil Services Scandinavia AS
SCALETREAT 8241	9	Maleic anhydride sodium allylsulphonate copolymer (aqueous solution)	NOR	06/10/10	31/12/25	Z	3		Clariant Oil Services Scandinavia AS
SCALETREAT 13850	9	Ethylene glycol	NOR	04/01/16	31/12/25	Z	3		Clariant Oil Services Scandinavia AS

TRIPARTITE AGREEMENTS

List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s.	Contains	Rep	Receive Date	Expiry Date	Cat	ST	Remark	Company
SCALETREAT ST12595	11	Maleic acid/allyl sulphonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	NOR	04/08/14	31/12/25	Z	NA		Clariant Oil Services Scandinavia AS
SCALETREAT TP 8106	9	Maleic acid/allyl sulphonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	NOR	10/09/10	31/12/25	Z	3	High Viscosity	Clariant Oil Services Scandinavia AS
SCALETREAT TP 8106A	9	Maleic acid/allyl sulphonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	GBR	01/10/13	31/12/25	Z	3		Clariant Oil Services UK Ltd
SCW85902KCL	11	[[[(Phosphonomethyl)imino]bis[ethylenenitrilobis (methylene)]] tetrakisphosphonic acid, ammonium salt solution (60% or less)	GBR	05/10/18	31/12/25	Z	NA		Baker Hughes Limited
SELEXOL SOLVENT	7	Polyethylene glycol dimethyl ether	USA	21/11/08	31/12/25	Y	3		Dow
SOLGAD 100	6	Alkyl (C3-C4) benzenes	ISR	01/04/10	31/12/25	Y	2		Gadiv
SOLGAD 150	3	Alkyl (C5-C8) benzenes	ISR	30/09/06	31/12/25	X	2		Gadiv
SOLGAD 150ULN	3	Alkyl (C3-C4) benzenes	ISR	30/09/06	31/12/25	X	2		Gadiv
SOLGAD 200	3	Methyl naphtalene (molten)	ISR	30/09/06	31/12/25	X	2		Gadiv
SOLGAD 200ULN	3	Methyl naphtalene (molten)	ISR	30/10/06	31/12/25	X	2		Gadiv
SOLTROL 130	7	Iso- and Cyclo- Alkanes (C10-C11)	USA	02/05/08	31/12/25	Y	3		Chevron Phillips
SOLVTREAT 13860	11	Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether	NOR	05/10/18	31/12/25	Z	NA		Clariant Oil Services Scandinavia AS
Varsol 140	7	Alkyl (C9+) benzenes	BEL	01/09/06	31/12/25	Y	3		ExxonMobil
WAXTREAT 3553	5	Alkyl (C3-C4) benzenes	NOR	14/08/08	31/12/25	Y	2		Clariant Oil Services Scandinavia AS
Xylenes Concentrates	6	Ethylbenzene	GBR	30/09/06	31/12/25	Y	2		ExxonMobil

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

MEPC.2/Circ.28

Annex 3

1 December 2022

Page 1 of 17

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
1-15% SCALETREAT TP 8385 in NaCl Brine	Ethylene glycol	NOR	GBR	17/10/22	31/12/23	Z	S/P	3	2G	Cont	No	-	-	Yes	O	No	AC	No		Haliburton AS
10% SCAL11360A in NaCl Brine	Hydrochloric acid	NOR	GBR	21/09/22	31/12/25	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No		Haliburton AS
10% SCALETREAT 8199C in 6% NaCl	Phosphoric acid; Ethanolamine	NOR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	R	No	AC	No		Clariant Oil Services Scandinavia AS
10% SCALETREAT TP 8441 in NaCl Brine	Maleic acid/Acrylic acid/Ethenylsulfonic acid/Ethenylphosphonic acid polymer, sodium salt in aqueous/ethylene glycol solution	NOR	GBR	17/10/22	31/12/25	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6	Haliburton AS
30-50% SCALETREAT SD 12154 in 3% KCl	Potassium hydroxide solution	NOR	All countries		31/12/25	Z	S/P	3	2G	Cont	No	-	-	Yes	O	No	AC	No	16.2.9	Clariant Oil Services Scandinavia AS
106.14	Calcium alkaryl sulphonate (C11-C50); Mineral oil	USA	BMU, BRA, CYM, CHN, EGY, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, ZAF, ARE, GBR	05/04/22	31/12/25	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
106.14Z	Calcium alkaryl sulphonate (C11-C50); Mineral oil	USA	BMU, BRA, CYM, CHN, EGY, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, ZAF, ARE, GBR	05/04/22	31/12/25	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
ACPC26004A	Naphthalene (molten); Alkyl (C5-C8) benzenes	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	ChampionX
AD-1453	Calcium long-chain alkyl phenate sulphide (C8-C40); Alkyl(C18-C28) toluenesulphonic acid, calcium salts, high overbase; and mineral oil	SGP	DZA, ARG, AUS, BHS, BEL, BRA, CAN, CHN, COL, ECU, EGY, FRA, DEU, GRC, HKG, IND, IDN, ITA, JPN, MYS, NLD, NZL, NOR, PAN, PHL, KOR, ZAF, ESP, THA, TUR, ARE, GBR, USA, VEN	12/08/22	31/12/25	Y	SP	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Chevron Oronite

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

MEPC.2/Circ.28

Annex 3

1 December 2022

Page 2 of 17

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Alcoa CARP	Sodium aluminate	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19	Alcoa
Amine DCT	Triethylenetetramine/2-Piperazine-1-ylethylamine mixtures	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Dow Chemical
AP 13168	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
AP 13246	Calcium long chain alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
AP 13275	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
ASPH11928SP	Toluene, 1H-Imidazole-1-Ethanol; 4,5,-Dihydroxy-, 2-Nortall-Oil Alkyl Derivative; Kerosene	USA	GUY	20/05/21	31/12/24	X	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19.6, 16.2.7	ChampionX
ASPH16675SP	Kerosene	USA	BRA, GUY, TTO	03/04/20	31/12/23	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6	ChampionX
ASPH17544SP	Tall-oil fatty acids reaction products with diethylenetriamine	USA	All countries		None	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	ABC	Yes	15.12, 15.17, 15.19	ChampionX
Basol 2020	Potassium hydroxide solution	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	R	No	No	No	15.19.6	Schlumberger Production Technologies
BIOTREAT 13983	Glutaraldehyde solutions (50% or less) and Didecyldimethylammonium chloride	NOR	DNK, GBR	31/01/22	31/12/25	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19	Clariant Oil Services Scandinavia AS
BIOTREAT 18297	Tetrakis(hydroxymethyl)phosphonium sulphate(2:1)	NOR	DNK, GBR	07/02/22	31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Clariant Oil Services Scandinavia AS
BK Gasoline	Benzene; 1,3-Cyclopentadiene dimer (molten)	ITA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19	Versalis SpA
BK Reformed/Platformed Gasoline	1,3-Cyclopentadiene dimer (molten); Styrene	ITA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Versalis SpA
BWTR29368A	Sorbitan sesquioleate; Oil	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6	ChampionX
BWTR29378A	Sorbitan sesquioleate; Oil	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6	ChampionX
BWTR29398A	Sorbitan sesquioleate; Oil	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6	ChampionX
BWTR29404A	Sorbitan sesquioleate; Oil	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6	ChampionX
BWTR29408A	Sorbitan sesquioleate; Oil	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6	ChampionX
CA 354	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	SGP	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite Company
CAS 29/75	Alkylbenzenes mixtures (containing naphthalene), and Iso- and cyclo-alkanes (C12+)	GBR	All countries		None	X	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	Haltermann Carless UK Ltd.
CGW80742P	Methyl alcohol; Tall oil fatty acids reaction products with 2-[(2-amino ethyl)amino]ethanol, di-ethyl sulphate and mineral oil	GBR	All countries		31/12/25	X	S/P	1	2G	Cont	No	T2	IIA	No	C	FT	ABC	Yes	15.11.2 to 15.11.4, 15.11.6 to 15.11.8, 15.12, 15.17, 15.19	Baker Hughes Limited

TRIPARTITE AGREEMENTS

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
CM-9824	Sodium hydroxide solution	NOR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6	Schlumberger Production Technologies
CORR01036F2	2-Mercaptoethanol; Ethylene glycol monoalkyl ethers	GBR	All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	ChampionX
CORR10003A	Triethylene glycol	GBR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	ChampionX
CORR11413A	Tall oil acids reaction products with diethylenetriamine and acrylic acid in ethylene glycol; Ethylene glycol monoalkyl ethers	GBR	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	ChampionX
CORR11610SP	Ethylene glycol monoalkyl ethers	GBR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	T3	IIB	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19.6	ChampionX
CORR11645A	Alkyl (C5-C8) benzenes; Tall oil acids/linoleic acid dimer/polyalkylenepolyamines/dodecylbenzene sulphononic acid complexes in naphtha/isopropanol	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19	ChampionX
CORR16196SP	Quaternary ammonium compounds, benzyl-C12-18 (even-numbered)-alkyldimethyl chlorides; and 2-Mercaptoethanol	USA	All countries		None	X	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19	ChampionX
CORR18925A	Napthalene and Alkyl (C5-C8) benzenes	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	ChampionX
CORRTREAT 16313	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C18(unsaturated) acyl derivs., hydroxides, inner salts	NOR	GBR	06/06/22	31/12/25	Y	S/P	2	2G	Cont	No	T4	IIB	No	R	F	ABC	No	15.19	Clariant Oil Services Scandinavia AS
CORRTREAT 18426	Ethylene glycol mono alkyl ether and Betaines, (C12-18-amidoalkyl)dimethyl	NOR	GBR	25/03/22	31/12/25	Y	S/P	2	2G	Cont	No	T4	IIB	No	R	F	ABC	No	15.17, 15.19.6	Clariant Oil Services Scandinavia AS
CRW85735	Ethylene glycol monoalkyl ethers and 2-mercaptoethanol	GBR	DNK, NOR	15/06/22	31/12/25	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6	Baker Hughes Limited
CS 1500E	Polyalkene sulphonic acid (C20-C28), sodium salt	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9	Chevron Oronite
CTC Crude Type A	Carbon tetrachloride	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19	Ineos ChlorVinyls Ltd
D-Crude CTC	Carbon tetrachloride	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	No	15.12, 15.17, 15.19	Dow Chemical
DMO2241 Demulsifier	Oxyalkylated alkylphenolic resin; Trimethyl benzene; Light aromatic naphtha	USA	GUY	22/06/21	31/12/24	X	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	AC	Yes	15.12, 15.17, 15.19, 16.2.9(h)	Baker Hughes Inc.
Eastman VersaMax	Bis-(2-ethylhexyl) terephthalate; Dibutyl terephthalate	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Eastman Chemical Company
Eastman VersaMax(TM) Plasticizer	Bis(2-ethylhexyl) terephthalate; Dibutyl terephthalate	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Eastman Chemical Company
EC1645A	Alkyl (C5-C8) benzenes; Tall oil acids/linoleic acid dimer/polyalkylenepolyamines/dodecylbenzene sulphononic acid complexes in naphtha/isopropanol	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19	ChampionX
EC6004A	Napthalene (molten); Alkyl (C5-C8) benzenes	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	ChampionX

TRIPARTITE AGREEMENTS

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
EC6671A	Methyl alcohol; Poly n-alkylmethacrylamide ammonium acrylate copolymer (20% solution in DEGME)	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	ChampionX
EEHC1	Triethylene glycol	GBR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	ChampionX
EMBR12491A	Alkyl (C9+) Benzenes, Naphthalene, Petroleum Distillate	USA	GUY	07/02/22	31/12/25	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	ChampionX
EMBR18636A	Octanol (all isomers)	NOR	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	ChampionX
EMBR18636F3	Octanol (all isomers)	NOR	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	ChampionX
EMBR48636F3	Octanol (all isomers)	GBR	NLD, NOR	16/11/22	31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	ChampionX
Emulsotron X-8636	Octanol (all isomers)	NOR	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	ChampionX
ENORDET O332	Sodium alkyl (C14-C17) sulphonates (60-65% solution)	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6	Shell Chemical
EPG Basic	Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether; Potassium Oleate	USA	BEL, CYM, HKG, IND, LBR, MLT, MHL, NLD, NOR, PAN, SGP, ESP, ARE, GBR	21/12/21	31/12/24	Y	S/P	2	2G	Open	No	-	-	Yes	C	No	AC	No	15.12.3.2, 15.19, 16.2.6	The Dow Chemical Company
Ethylol 75	Ethyl alcohol; Isopropyl ether	ZAF	All countries		31/12/25	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F	AC	No	15.19.6	Sasol
EXXSOL D60(S) FLUID	Iso- and cyclo-alkanes (C12+)	SGP	All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	ExxonMobil
FLOPAAM™ DW 5205 MAQE 1	Iso-and-cycloalkanes (C12+)	GBR	CYP, NOR	28/07/20	31/12/23	Y	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9	SNF S.A.S.
Fraction C6	Benzene	ITA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Versalis SpA
Fraction C7	Toluene	ITA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Versalis SpA
Fraction TX	Toluene	ITA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Versalis SpA
Fuerza Combustible	Methyl alcohol; Octane	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19	Fuerza LLC
FX2886	Naphthalene (molten); Alkyl (C5-C8) benzenes	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19	ChampionX
GT-7538	Diethanolamine	NOR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19.6	Schlumberger Production Technologies
GT-7599	Diethanolamine	NOR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19.6	Schlumberger Production Technologies
GT-7602	Diethanolamine	NOR	All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19.6	Schlumberger Production Technologies
GT-70515	Potassium hydroxide solution (*)	NOR	NLD, GBR	08/02/21	31/12/24	Z	S/P	3	2G	Open	No	-	-	Yes	R	No	AC	No	15.19.6	Schlumberger Production Technologies

TRIPARTITE AGREEMENTS

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GT-71520	Diethanolamine	NOR	GBR	03/09/21	31/12/24	Y	S/P	3	2G	Open	No	-	-	Yes	R	No	AC	No	15.19.6	Schlumberger Production Technologies
Gypton SA1360	Hydrochloric acid	NOR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No		ChampionX
H.B.M. (Volatile oil)	1,3-Pentadiene	JPN	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3	Nihon Zeon Co. Ltd
Halliburton A-SPERSE	Ethoxylated long chain (C16+) alkyloxyalkylamine	USA	All countries		None	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19, 16.2.9	Halliburton
HiTEC 9345S	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Afton Chemical Corporation
HYDT16671SP	Methyl alcohol; Poly n-alkylmethacrylamide ammonium acrylate copolymer (20% solution in DEGME)	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	ChampionX
IP CLEAN LX	Dodecane (all isomers)	JPN	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6	Idemitsu Kosan
IP Extraction Feed	1,3-Cyclopentadiene dimer; Isoprene	NLD	All countries		31/12/25	Y	S/P	2	2G	Cont	Inert	T3	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.14, 15.17, 15.19, 16.6.1, 16.6.2, 16.6.3	Shell
IP SOLVENT 1620	Dodecane (all isomers)	JPN	CYM, CHN, CYP, HKG, IDN, LBR, MYS, MUS, NOR, PAN, PHL, KOR, SGP, THA, VNM	31/03/22	31/12/25	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6	IDEMITSU KOSAN Co., LTD.
IP SOLVENT 2028	Iso- and cyclo-alkanes (C12+) and Isoalkanes (C16-C18)	JPN	CYM, CHN, CYP, HKG, IDN, LBR, MYS, MUS, NOR, PAN, PHL, KOR, SGP, THA, VNM	31/03/22	31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	IDEMITSU KOSAN Co., LTD.
KemSweep NLP 5002	Acrylamide (ACAM) – Acrylic acid, sodium salt (NaAA) copolymer (70:30 ACAM:NaAA) in water/iso- and cyclo- alkanes (C12+)	GBR	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6	Kemira
KI-3130	Tall-oil fatty acids reaction products with diethylenetriamine; Acetic acid	NOR	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	O	No	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6	Schlumberger Production Technologies
Kogasol 56	Hexane (all isomers); Heptane (all isomers)	ZAF	All countries		31/12/25	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19	SASOL
Linealene 124	Dodecene (all isomers)	JPN	All countries		31/12/25	X	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6	IDEMITSU KOSAN CO. LTD
LUBAD 1798	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Polyolefin amide alkeneamine polyol and mineral oil	SGP	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

<u>Trade Name</u>	<u>Contains</u>	<u>Rep</u>	<u>Countries</u>	<u>Receive Date</u>	<u>Expiry Date</u>	<u>Cat</u>	<u>D</u>	<u>ST</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I'</u>	<u>I''</u>	<u>I'''</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>N</u>	<u>O</u>	<u>Company</u>
LUBAD 1807	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite S.A.S.
LUBAD 1887	Calcium long-chain alkyl phenate sulphide (C8-C40); Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
LUBAD 1999	Calcium long-chain alkyl phenate sulphide (C8-C40); Olefins (C13+, all isomers); and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9	Chevron Oronite
Lubrizol 106.14	Calcium alkaryl sulphonate (C11-C50), Mineral oil	USA	BMU, BRA, CYM, CHN, EGY, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, ZAF, ARE, GBR	05/04/22	31/12/25	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol 106.14Z	Calcium alkaryl sulphonate (C11-C50), Mineral oil	USA	BMU, BRA, CYM, CHN, EGY, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, ZAF, ARE, GBR	05/04/22	31/12/25	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol 116.90	Polyolefin amide alkeneamine (C17+) and mineral oil	USA	CYM, CHN, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, GBR	03/03/21	31/12/24	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Lubrizol
LUBRIZOL 128.74Z	Calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	USA	CYM, CHN, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, GBR	28/01/21	31/12/24	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Lubrizol
Lubrizol 4980A	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol

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Lubrizol 9240J	Calcium long-chain alkyl phenate sulphide (C8-C40); Dodecyl phenol; and mineral oil	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol 16005	Calcium long chain alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol 20017	Polyolefin amide alkeneamine (C17+); Alkenyl (C11+) amide and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol CV2301	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol CV2307	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14)	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol CV6503	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol CV7050	Calcium long chain alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol CV7540	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	BMU, BRA, CYM, CHN, EGY, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, PHL, KOR, SGP, ZAF, ARE, GBR	12/09/22	31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Lubrizol
Lubrizol FC8051X	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol FC9050	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol FC9052X	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol MAR 515U	Calcium long-chain alkyl phenate sulphide (C8-C40); Alcohols (C12+), primary, linear	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Lubrizol
LUBRIZOL MD9C00X	Calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	USA	CYM, CHN, HKG, IDN, JPN, LBR, MYS, MHL, NOR, PAN, KOR, SGP, GBR	22/12/20	31/12/23	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Lubrizol
Lubrizol MD9C01X	Calcium long-chain alkyl phenate sulphide (C8-C40)	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol

TRIPARTITE AGREEMENTS

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Lubrizol MD9C08Y	Calcium long-chain alkyl phenate sulphide (C8-C40), dodecyl phenol, mineral oil	USA	BMU, BRA, CYM, CHN, EGY, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, ZAF, ARE, GBR	24/03/22	31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19.6, 16.2.6, 16.2.7	Lubrizol
Lubrizol MD9C45TL	Calcium long-chain alkyl phenate sulphide (C8-C40); Mineral Oil	USA	CYM, CHN, CYP, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, GBR	13/02/20	31/12/23	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol MD9C70TL	Calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	USA	CYM, CHN, CYP, HKG, IDN, JPN, LBR, MYS, MLT, NOR, PAN, KOR, SGP, GBR	20/05/20	31/12/23	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Lubrizol
Lubrizol MD9C70X	Calcium long-chain alkyl phenate sulphide (C8-C40)	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol MD9C140X	Polyolefin amide alkeneamine (C17+) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol PV1023	Calcium alkaryl sulphonate (C11-C50); Alkenyl (C11+) amide and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol PV1127K	Polyolefin amide alkeneamine (C17+); Alkenyl (C11+) amide and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
LUBRIZOL PV1410	Magnesium alkaryl sulphonate (C11-C50); Polyolefin amide alkeneamine (C17+) and mineral oil	USA	CYM, CHN, HKG, IDN, JPN, LBR, MYS, MHL, NOR, PAN, KOR, SGP, GBR	22/12/20	31/12/23	Y	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Lubrizol
LUBRIZOL PV1510	Magnesium alkaryl sulphonate (C11-C50); Polyolefin amide alkeneamine (C17+) and mineral oil	USA	CYM, CHN, HKG, IDN, JPN, LBR, MYS, MHL, NOR, PAN, KOR, SGP, GBR	22/12/20	31/12/23	Y	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Lubrizol
Lubrizol PV3400X	Polyolefin amide alkeneamine (C17+) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol

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Lubrizol PV6500X	Alkylated (C4-C9) hindered phenols; Polyolefin amide alkeneamine (C17+) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6	Lubrizol
Lubrizol PV6501X	Alkylated (C4-C9) hindered phenols; Polyolefin amide alkeneamine (C17+) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol PV7053	Polyolefin amide alkeneamine (C17+); Alkenyl (C11+) amide and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol SLF6006	Polyolefin amide alkeneamine (C17+); Calcium long-chain alkyl phenate sulphide (C8-C40)	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Lubrizol
MAR 363P	Calcium long-chain alkyl phenate sulphide (C8-C40); Mineral Oil	USA	CYM, CHN, CYP, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, GBR	13/02/20	31/12/23	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
MD9C08Y	Calcium long-chain alkyl phenate sulphide (C8-C40), dodecyl phenol; mineral oil	USA	BMU, BRA, CYM, CHN, EGY, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, ZAF, ARE, GBR	24/03/22	31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19.6, 16.2.6, 16.2.7	Lubrizol
MD9C70TL	Calcium long-chain alkyl phenate sulphide (C8-C40); mineral oil	USA	CYM, CHN, CYP, HKG, IDN, JPN, LBR, MYS, MLT, NOR, PAN, KOR, SGP, GBR	20/05/20	31/12/23	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Lubrizol
MERVEILLEUX 30	Iso- and cyclo-alkanes (C10-C11)	JPN	CYM, CHN, CYP, HKG, IDN, LBR, MYS, MUS, NOR, PAN, PHL, KOR, SGP, THA, VNM	31/03/22	31/12/25	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6	IDEMITSU KOSAN Co., LTD.

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MERVEILLEUX 40	Iso- and cyclo-alkanes (C12+)	JPN	CYM, CHN, CYP, HKG, IDN, LBR, MYS, MUS, NOR, PAN, PHL, KOR, SGP, THA, VNM	31/03/22	31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	IDEMITSU KOSAN Co., LTD.
Mixed Aromatics(Raw C9+)	Solvent Naphtha, Petroleum, Heavy aromatic; Naphthalene (molten)	KOR	CHN	16/06/21	31/12/24	X	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	ABC	Yes	15.12.3, 15.19.6	Hanwha Corporation
Mixed Aromatics(Raw C9+C)	Solvent Naphtha, Petroleum, Heavy aromatic	KOR	CHN	16/06/21	31/12/24	X	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	ABC	No	15.12.3, 15.19.6	Hanwha Corporation
MPG Basic	Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether; Sodium methylate	USA	All countries		31/12/25	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19.6	Dow Chemical Company
NAPH23002A	Acetic acid; Alcohols (C9-11), ethoxylated, phosphate	GBR	All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	No	AC	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19	ChampionX
NEODENE 1214	1-Dodecene	USA	ATG, ARG, AUS, BHS, BEL, BRA, CAN, CYM, CHN, CYP, DNK, FRA, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, MLT, MHL, MEX, NLD, NOR, PAN, KOR, VCT, SAU, SGP, ESP, THA, TUR, ARE, GBR	15/07/20	31/12/23	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	Shell Chemical LP
OCI AlcoBioFuel	Ethyl alcohol; Methyl alcohol	NLD	DNK, IRL, MLT, NOR, GBR	06/03/20	31/12/23	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	AC	No	15.12.1, 15.12.2, 15.12.3.2, 15.12.3.3, 15.12.4, 15.17, 15.19	OCI Fuels BV
OLOA 273 Distillate	Alkylphenols (C10-C18, C12 rich)	FRA	All countries		None	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 865G	Calcium long-chain alkyl phenate sulphide (C8-C40)	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 4594R	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 8888	Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite S.A.S.

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<u>Trade Name</u>	<u>Contains</u>	<u>Rep</u>	<u>Countries</u>	<u>Receive Date</u>	<u>Expiry Date</u>	<u>Cat</u>	<u>D</u>	<u>ST</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I'</u>	<u>I''</u>	<u>I'''</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>N</u>	<u>O</u>	<u>Company</u>
OLOA 9790F	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 9999	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 16310	Calcium alkyl (C10-C28) salicylate; Long-chain alkylphenol (C14-C18) and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6	Chevron Oronite
OLOA 48014	Calcium long chain alkyl (C18-C28) salicylate; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Chevron Oronite S.A.S.
OLOA 48018	Calcium long chain alkyl (C18-C28) salicylate and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 49819	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	SGP	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 49822	Calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	SGP	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
OLOA 49833	Calcium long-chain alkyl phenate sulphide (C8-C40); Alkyl(C18-C28)toluenesulphonic acid, calcium salts, high overbase; and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
OLOA 49834	Alkyl(C18-C28) toluenesulphonic acid, calcium salts, high overbase; and mineral oil	SGP	All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
OLOA 49835	Calcium long-chain alkyl phenate sulphide (C8-C40); Alkyl(C18-C28) toluenesulphonic acid, calcium salts, high overbase; and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
OLOA 49836	Alkyl(C18-C28) toluenesulphonic acid, calcium salts, high overbase; and mineral oil	SGP	All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
OLOA 49840	Calcium long-chain alkyl phenate sulphide (C8-C40); Alkyl(C18-C28) toluenesulphonic acid, calcium salts, high overbase; and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
OLOA 49888	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Calcium long-chain alkyl phenate sulphide (C8-C40); and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 54000	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

MEPC.2/Circ.28

Annex 3

1 December 2022

Page 12 of 17

<u>Trade Name</u>	<u>Contains</u>	<u>Rep</u>	<u>Countries</u>	<u>Receive Date</u>	<u>Expiry Date</u>	<u>Cat</u>	<u>D</u>	<u>ST</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I'</u>	<u>I''</u>	<u>I'''</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>N</u>	<u>O</u>	<u>Company</u>
OLOA 54013	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6	Chevron Oronite S.A.S.
OLOA 55501	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	SGP	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 58000	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 59168	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Polyolefin amide alkeneamine polyol and mineral oil	SGP	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 59211	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, borated; Polyolefin amide alkeneamine polyol and mineral oil	SGP	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 59716	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 59726	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 59762	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 59766	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	SGP	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 59770	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6	Chevron Oronite S.A.S.
OLOA 65747	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite S.A.S.
OLOA 99470E	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA275JR	Calcium long chain alkyl (C18-C28) salicylate and mineral oil	USA	All countries		31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron
PARA16592A	Naphthalene (molten); and Alkyl (C5-C8) benzenes	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19	ChampionX

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
PE CIW-NO	Aniline	NOR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	-	-	NF	C	T	No	No	15.12, 15.17, 15.19.6	Halliburton AS
Pentylol	n-Amyl alcohol and sec-Amyl alcohol	ZAF	All countries		31/12/25	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6	Sasol
PETROSWEET HSW82185	Hexahydro-1,3,5-trimethyl-1,3,5-triazine solution (45% or less)	GBR	NOR, USA	13/01/21	31/12/24	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Baker Hughes Limited
PFR23LUC	Methyl alcohol	USA	GUY	22/06/21	31/12/24	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	AC	No	15.12.1, 15.12.2, 15.12.3.2, 15.12.3.3, 15.12.4, 15.17, 15.19	Baker Hughes Inc.
PHASETREAT 6861	2-Ethylhexanol	NOR	GBR	06/06/22	31/12/25	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Clariant Oil Services Scandinavia AS
PHASETREAT 16005	Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether; and Ethylene glycol monoalkyl ether	NOR	DNK, GBR	09/02/22	31/12/25	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	Clariant Oil Services Scandinavia AS
PPO Crude CIRC Broad	Aliphatic and aromatic hydrocarbons (C5-C26 fraction)	USA	BEL, CYM, HKG, LBR, MLT, MHL, NOR, NLD, PAN, SGP, ESP, ARE, GBR	24/05/22	31/12/25	X	S/P	1	2G	Cont	No	T3	IIA	No	C	FT	AC	No	15.12, 15.14, 15.17, 15.19, 16.2.9	The Dow Chemical Company
PPO Crude CIRC Broad S1	Aliphatic and aromatic hydrocarbons (C7-C26 fraction)	USA	BEL, CYM, HKG, LBR, MLT, MHL, NOR, NLD, PAN, SGP, ESP, ARE, GBR	16/11/21	31/12/24	X	S/P	1	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19, 16.2.9	The Dow Chemical Company
R12973A	Polyolefin amide alkeneamine (C17+); and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
R-50359	Naphthalene (molten); Alkyl (C5-C8) benzenes	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	ChampionX
RAW C5	1-3-Cyclopentadiene; Isoprene	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	No	15.12, 15.14, 15.17, 15.19.6, 16.6.2, 16.6.3	Sabic UK Petrochemicals
RBHC (Exxon Mobil)	Heptane; Benzene	FRA	All countries		31/12/25	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	ExxonMobil
RM192D	Calcium long-chain alkyl phenate sulphide (C8-C40); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite S.A.S.
SASC2013	Sodium hydroxide (30% or less)/Sodium aluminate (25% or less) solution	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Merichem
Sasol MPH	Alkanes linear and branched (C10-C26) (flashpoint >60°C); Olefins (C13+, all isomers)	ZAF	IND, NOR, SGP	08/10/20	31/12/23	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6, 16.2.9	Sasol
Sasol PH	Alkanes linear and branched (C10-C26) (flashpoint >60°C); Olefins (C13+, all isomers)	ZAF	IND, NOR, SGP	08/10/20	31/12/23	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9	Sasol
SBM CL-NO XL	Boric acid	NOR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19, 16.2.6	Halliburton AS

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
SBM DFS-H15	Hydrochloric acid; Aniline	NOR	All countries		None	Y	S/P	3	2G	Cont	No	-	-	NF	C	T	No	No	15.11, 15.12, 15.17, 15.19.6	Halliburton AS
SBM DM Preflush	Ethylene glycol monoalkyl ethers	NOR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19	Halliburton AS
SBM NSA-NO	Formic acid (85% or less acid); Acetic acid	NOR	All countries		None	Y	S/P	3	2G	Cont	No	-	-	NF	R	T	No	No	15.11, 15.12.3, 15.12.4, 15.19.6	Halliburton AS
SCAL11360A	Hydrochloric acid	NOR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No		ChampionX
SCAL11650A	Ethylene glycol	NOR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		ChampionX
SCAL12154A	Sodium Diethylenetriaminepenta (Methylenephosphonate)	USA	VUT	07/11/22	31/12/25	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6	ChampionX
SCAL16312A	Formic acid (over 85%)	GBR	All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19.6	ChampionX
SCAL16359A	Ethylene glycol and [(2-hydroxyethyl) imino]dimethylene] bisphosphonic acid, sodium salt	GBR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		ChampionX
SCALETREAT 8198	Potassium hydroxide solution (*)	NOR	DNK, NLD, GBR	08/03/21	31/12/24	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT 12661	Potassium salt of maleic acid co-polymer and Potassium hydroxide	NOR	DNK, GBR	09/02/22	31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT 13842	Ethanolamine; Ethylene glycol	NOR	NLD, GBR	07/04/20	31/12/23	Z	S/P	3	2G	Open	No	-	-	Yes	R	No	ABC	No	15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT 14345	Ethylene glycol monoalkyl ethers	NOR	All countries		31/12/25	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT 16876	Maleic acid and potassium hydroxide	NOR	GBR	25/03/22	31/12/25	Z	S/P	3	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.17, 15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT 18650	Sodium salts of [(2-hydroxyethyl)imino] dimethylene] bisphosphonic acid and [(2-hydroxy-2-oxo-1,4,2-oxazaphosphinan-4-yl)methyl] and Ethanolamine	NOR	GBR	06/06/22	31/12/25	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9	Clariant Oil Services Scandinavia AS
SCALETREAT DF 8386	Potassium salt of maleic acid co-polymer and Ethylene glycol	NOR	GBR	25/03/22	31/12/25	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT SD 12154	Potassium hydroxide solution	NOR	All countries		31/12/25	Z	S/P	3	2G	Cont	No	-	-	NF	C	No	No	No	15.17, 15.19, 16.2.9	Clariant Oil Services Scandinavia AS
SCALETREAT SD 12392	Acetic acid	NOR	All countries		31/12/25	Z	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19.6, 16.2.9	Clariant Oil Services Scandinavia AS
SCALETREAT SD 13877	Acetic acid	NOR	GBR	19/05/21	31/12/24	Z	S/P	3	2G	Cont	No	-	-	Yes	C	No	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19.6, 16.2.9	Clariant Oil Services Scandinavia AS
SCALETREAT TP 8385	Ethylene glycol	NOR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Clariant Oil Services Scandinavia AS
SCALETREAT TP 19065	Carboxylated / phosphonated sodium allyl sulphonate polymer and Ethanolamine	NOR	GBR	03/11/22	31/12/23	Y	S/P	3	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.17, 15.19.6	Clariant Oil Services Scandinavia AS

TRIPARTITE AGREEMENTS

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
SCALETREAT XL36	Calcium chloride solution; Maleic acid/allyl sulphonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	NOR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No		Clariant Oil Services Scandinavia AS
SCAVTREAT 15211	1,3,5-Hexahydrotriethanol-1,3,5-triazine solution	NOR	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Clariant Oil Services Scandinavia AS
SD-4108	Acetic acid	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8	Schlumberger Production Technologies
SD-4127	Acetic acid; 1,3,5-Hexahydrotriethanol-1,3,5-triazine	NOR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Schlumberger Production Technologies
SD-4206	Sodium hydroxide solution	NOR	All countries		31/12/25	Z	S/P	3	2G	Cont	No	-	-	NF	R	No	No	No	15.17, 15.19.6	Schlumberger Production Technologies
SD-4820	Formic acid (85% or less acid)	NOR	All countries		31/12/25	Z	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19.6	Schlumberger Production Technologies
Secure SC2020	3-(Triethoxysilyl)propylamine	NOR	All countries		31/12/25	Z	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19	ChampionX
SGR 21	N,N'-Methylene-bis(5-methyloxazolidine); methyl alcohol	NOR	All countries		None	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19	REDA Oilfield AS
SI-4126	Ethylene glycol monoalkyl ethers	NOR	All countries		31/12/25	Z	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.17, 15.19.6	Schlumberger Production Technologies
SI-4142	2,6-Diaminohexanoic acid phosphonate mixed salts solution	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	R	No	No	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6	Schlumberger Production Technologies
SI-4154	Ethanolamine	NOR	All countries		31/12/25	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6	Schlumberger Production Technologies
SI-4489	2,6-Diaminohexanoic acid phosphonate mixed salts solution	NOR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No		Schlumberger Production Technologies
SI-49024	Sodium hydroxide solution	NOR	DNK, GBR	28/10/21	31/12/24	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Schlumberger Production Technologies
Solidless Kill Pill Weighted	Sodium bromide solution (less than 50%)	NOR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	-	-	NF	C	T	No	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9	Halliburton AS
SOLVTREAT 3030	Alkanes (C10-C26), linear and branched (flashpoint >60°C); Ethylene glycol monoalkyl ethers	NOR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6	Clariant Oil Services Scandinavia AS
SOLVTREAT 3062	Ethylene glycol monoalkyl ethers	NOR	All countries		31/12/25	Z	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.19.6	Clariant Oil Services Scandinavia AS
SOLVTREAT 12093	Ethylene glycol monoalkyl ethers	NOR	All countries		31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Clariant Oil Services Scandinavia AS

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
SPECFLEX NC 632 Polyol	Glycerol, propylene oxide, ethylene oxide polymer and Sorbitol, propylene oxide, ethylene oxide polymer	NLD	BEL, CYM, CHN, HKG, JPN, LBR, LBY, MLT, MHL, NOR, PAN, SAU, SGP, ESP, THA, ARE	22/12/21	31/12/24	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No		Dow Benelux B.V.
ST1207R	Calcium long-chain alkyl phenate sulphide (C8-C40), dodecyl phenol, mineral oil	USA	BMU, BRA, CYM, CHN, EGY, FRA, HKG, IDN, JPN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, ZAF, ARE, GBR	24/03/22	31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19.6, 16.2.6, 16.2.7	Lubrizol
SUBSEA125 Corrosion Inhibitor	Methyl alcohol; Sulfanyl alcohol	USA	GUY	22/06/21	31/12/24	X	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19	Baker Hughes Inc.
SUBSEA529 Asphaltene Inhibitor	Fatty acids tall-oil reaction products with polyethylenepolyamines; Toluene	USA	GUY	22/06/21	31/12/24	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19	Baker Hughes Inc.
SUBSEA924	Xylene; Ethylbenzene	USA	GUY	22/06/21	31/12/24	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6	Baker Hughes Inc.
SUBSEA626 Paraffin Inhibitor	Xylenes, Toluene	USA	IND	06/07/22	31/12/25	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19.6, 16.2.7	Baker Hughes
SURFLO PLUS® SFPEC1610A	Ethylene glycol monoalkyl ethers	GBR	All countries		31/12/25	Y	S/P	3	2G	Cont	No	T3	IIB	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19.6	ChampionX
SURFOM CS 5015	Ethoxylated tallow amine	BRA	All countries		31/12/25	X	S/P	2	2G	Cont	Inert	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Oxiteno Nordeste S/A Industria e Comercio
Talumar B	Calcium long-chain alkyl phenate sulphide (C8-C40)	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
TALUMAX B	Calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	USA	CYM, CHN, CYP, HKG, IDN, JPN, LBR, MYS, MLT, NOR, PAN, KOR, SGP, GBR	20/05/20	31/12/23	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7	Lubrizol
Ucarsol	Piperazine (68% solution)	USA	All countries		31/12/25	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Dow Chemical
Vertiscreen 052R	Ethyl alcohol	NOR	All countries		31/12/25	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6	Vertical
VISCODIS™ 2645 AH	Polyacrylic acid (42-44%)	FRA	BEL, CYM, DNK, HKG, LBR, LUX, MHL, NLD, PAN, SGP, GBR, USA	30/08/22	31/12/25	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Coatex
VX 8925	Naphthalene; Alkyl (C5-C8) benzenes	GBR	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	ChampionX

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

<u>Trade Name</u>	<u>Contains</u>	<u>Rep</u>	<u>Countries</u>	<u>Receive Date</u>	<u>Expiry Date</u>	<u>Cat</u>	<u>D</u>	<u>ST</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I'</u>	<u>I''</u>	<u>I'''</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>N</u>	<u>O</u>	<u>Company</u>
Waksol 911 A	n-Alkanes (C9-C11); Paraffin wax	ZAF	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9	Sasol
Waksol 911 B	n-Alkanes (C9-C11); Paraffin wax	ZAF	All countries		31/12/25	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9	Sasol
WAXTREAT DF 3694	Alkyl naphthalenes, crude (containing naphthalene)	NOR	DNK, GBR	09/02/22	31/12/25	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6	Clariant Oil Services Scandinavia AS
WAXTREAT 16055	Alkyl naphthalenes, crude (containing naphthalene) and Polyester of C20/24-Alkenylsuccinic anhydride/ Glycerine	NOR	NLD, GBR	11/08/21	31/12/24	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.18, 15.19, 16.2.9	Clariant Oil Services Scandinavia AS

TRIPARTITE AGREEMENTS

List 4: Pollutant only mixtures containing one or more components, forming more than 1% by weight of the mixture, which have not yet been assessed by IMO

MEPC.2/Circ.28
Annex 4
1 December 2022
Page 1 of 1

Tradename	n.o.s. Contains	Rep	Countries	Receive Date	Expiry Date	Cat	ST	Remark	Company
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LIST 5: SUBSTANCES ONLY USED AS COMPONENTS IN TRADE-NAMED MIXTURES

Product Name	Ship Type ¹	Pollution Category ²	Component factor ³
Acrylamide (ACAM) – Acrylic acid, sodium salt (NaAA) Copolymer (70:30 ACAM:NaAA) in water/iso- and cyclo-alkanes (C12+)	2 (Rule 11, 12 or 13)	Y (Rule 7)	1 (Row p)
Acrylamide, polymer with sodium 2-acrylamido-2-methyl-1-propanesulphonic acid (AMPS), tetraethylene glycol diacrylate, and methylene-bisacrylamide	2 (Rule 8)	Y (Rule 10)	1 (Row s)
Acrylic acid / dimethyldiallylammonium chloride copolymer, partial sodium salt (MWT 1500-4000, aqueous solution)	NA (Rule 15)	OS (Rule 13)	0 (Row u)
Alcohols (C9-11), ethoxylated, phosphate	2 (Rule 7)	Y (Rule 6 or 9)	10 (Row o)
L-Aspartic acid, homopolymer, sodium salt (aqueous solution)	3 (Rule 12)	Z (Rule 12)	0 (Row t)
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl), 4-hydroxy-C7-C9 alcohols branched and linear	2 (Rule 8)	Y (Rule 6)	10 (Row o)
Bismuth oxide	NA (Rule 15)	OS (Rule 13)	0 (Row u)
Boric acid	3 (Rule 13)	Y (Rule 11)	25 (Row n)
Cinnamaldehyde	3 (Rule 13)	Y (Rule 7)	1 (Row p)
Diethylenetriamine pentaacetic acid, pentapotassium salt (40% solution)	3 (Rule 12)	Y (Rule 7)	1 (Row p)
Diethylenetriamine pentamethylene phosphonic acid, pentasodium salt solution	3 (Rule 13)	Y (Rule 7)	1 (Row p)
Dipropylene glycol dibenzoate	2 (Rule 10)	Y (Rule 6)	10 (Row o)
Fatty acids, C18 unsaturated, reaction products with triethanolamine, dimethyl sulphate-quaternized	2 (Rule 10)	Y (Rule 7 or 10)	1 (Row p or s)
Imidazolium compounds, 1-benzyl-4,5-dihydro-1-(hydroxyethyl)-2-norcoco alkyl, chlorides	2 (Rule 4)	X (Rule 3)	1,000 (Row l)
Maleic acid/allyl sulphonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	3 (Rule 12)	Z (Rule 12)	0 (Row t)
2-Mercaptoethanol	3 (Rule 12)	Y (Rule 11)	25 (Row n)
Polyalkene sulphonic acid (C20-C28), sodium salt	2 (Rule 8)	Y (Rule 10)	1 (Row s)
Polyether, borated	2 (Rule 6)	Y (Rule 6)	10 (Row o)
Polyethylene glycol sorbitol hexaoleate	2 (Rule 8 or 10)	Y (Rule 7 or 10)	1 (Row p or s)
Poly(oxy-1,2-ethanedyl), alpha-(nonylphenyl)-omega-hydroxy-, phosphate	2 (Rule 6)	Y (Rule 6)	10 (Row o)
Polyphosphoric acids, esters with triethanolamine, sodium salts solution	3 (Rule 12 or 13)	Z (Rule 12)	0 (Row t)
Potassium carbonate solution	3 (Rule 13)	Y (Rule 7)	1 (Row p)
Potassium iodide	3 (Rule 13)	Y (Rule 11)	25 (Row n)
2-Propenoic acid polymer with 4-(1,1-dimethylethyl)phenol, formaldehyde, 2,5-furandione, 2-methyloxirane and oxirane (65% in naphtha/xylene)	2 (Rule 8)	Y (Rule 7)	1 (Row p)
Pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	2 (Rule 4)	X (Rule 3)	1,000 (Row l)
Quaternary ammonium compounds, benzyl-C12-18 (even-numbered)-alkyldimethyl, chlorides	2 (Rule 4 or 7)	Y (Rule 5 or 9)	100 (Row m)
Sodium aluminate solution	2 (C3=(3), so ST2)	Y (Rule 6)	10 (Row o)
Sodium methylate	3 (Rule 13)	Y (Rule 11)	25 (Row n)
Sorbitan sesquioleate	2 (Rule 7 or 8)	Y (Rule 9 or 10)	1 (Row r or s)
Tall oil acids/linoleic acid dimer/polyalkylenepolyamines/dodecylbenzenesulphonic acid complexes in naphtha/isopropanol	2 (Rule 8)	Y (Rule 11)	25 (Row n)
Tall oil acids reaction products with diethylenetriamine and acrylic acid in ethylene glycol	3 (Rule 13)	Y (Rule 7)	1 (Row p)
Tall oil acids reaction products with triethanolamine	2 (Rule 8)	Y (Rule 7)	1 (Row p)

¹ Rule for ship type refers to table 2 in 21.4.5.2 of the IBC Code

² Rule for Pollution Category refers to table 1 in 21.4.5.2 of the IBC Code / Appendix I to MARPOL Annex II

³ Row for component factor refers to table 1 of MEPC.1/Circ.512/Rev.1

Product Name	Ship Type¹	Pollution Category²	Component factor³
Tall oil fatty acids reaction products with 2-[(2-aminoethyl)amino]ethanol, di-ethyl sulphate quaternized	1 (Rule 1)	X (Rule 1)	10,000 (Row i)
Tall-oil fatty acids reaction products with diethylenetriamine	2 (Rule 4 or 7)	X (Rule 3)	1000 (Row l)
Thioglycolic acid	2 (C3=3, so ST2)	Y (Rule 7)	1 (Row p)
3-(Triethoxysilyl)propylamine	2 (C3=3), so ST2)	Z (Rule 12)	0 (Row t)

SYNONYMS FOR VEGETABLE OILS

BRASSICA CARINATA OIL

Ethiopian Mustard seed oil
Ethiopian Rapeseed oil

CASTOR OIL

BP Castor Oil
BSS Castor Oil
Castor Oil First Special Grade
Commercial Castor Oil
First Pressure Castor Oil
Fractionated Castor Oil
Hydrogenated Castor Oil
Interesterified Castor Oil
No 1 Castor Oil
Pharmaceutical Grade Castor Oil
Ricinus Oil

COCOA BUTTER

Cocoa Butter Degummed
Cocoa Butter Pressed Degummed Deodorized
Crude Cocoa Butter
Deodorized Cocoa Butter
Deodorized Degummed Cocoa Butter
PPP (Pure Prime Pressed) Cocoa Butter

COCONUT OIL

Cochin Coconut Oil
Coconut Palm Oil
Copra Oil
Crude Coconut Oil
Degummed Coconut Oil
Fractionated Coconut Oil
Free Coconut Oil
Hydrogenated Coconut Oil
Interesterified Coconut Oil
RBD Coconut Oil

CORN OIL

Crude Corn Oil
Crude Degummed Corn Oil
Fractionated Corn Oil
Hydrogenated Corn Oil
Interesterified Corn Oil
Maize Oil
RBD Maize Oil
RBD Corn Oil
RBDW Corn Oil
RBDW Maize Oil
Refined and Bleached Corn Oil
Refined, Bleached and Winterized Corn Oil

COTTON SEED OIL

Cotton Oil
Fractionated Cottonseed Oil
Hydrogenated Cottonseed Oil
Interesterified Cottonseed Oil
PSY Cottonseed Oil
Semi-refined Cottonseed Oil

FISH OIL

Anchovy Oil
Capelin Oil
Cod Oil
Crude Fish Oil
Fractionated Fish Oil
Herring Oil
Hydrogenated Fish Oil
Interesterified Fish Oil
Menhaden Oil
Menhaden Stearin
Salmon Oil
Sardine Oil

GROUNDNUT OIL

Arachis Oil
Crude Groundnut Oil
Fractionated Groundnut Oil
Hydrogenated Groundnut Oil
Interesterified Groundnut Oil
Peanut Oil
Refined Groundnut Oil

ILLIPE OIL

Borneo Tallow
Fractionated Illipe Oil
Green Butter
Hydrogenated Illipe Oil
Illipe Butter
Interesterified Illipe Oil
Tengkawang Butter

JATROPHA OIL

Physic nut extract
Ratanjyot oil

LARD

Choice Kettle Lard
Crude Lard
Edible Lard
Fractionated Lard
Hydrogenated Lard
Inedible Lard
Interesterified Lard
Leaf Lard
Steam Lard

LINSEED OIL

Crude Linseed Oil
Flaxseed Oil
Fractionated Linseed Oil
Hydrogenated Linseed Oil
Interesterified Linseed Oil
Raw Linseed Oil

MANGO KERNEL OIL

Fractionated Mango Kernel Oil
Hydrogenated Mango Kernel Oil
Interesterified Mango Kernel Oil
Mangifera Indica Oil
Mango Butter
Mango Seed Oil

NON-EDIBLE INDUSTRIAL GRADE PALM OIL

High FFA Crude Palm Oil
High FFA Technical Palm Oil
Low Grade Palm Oil

OLIVE OIL

Crude Olive Oil
Extra Virgin Olive Oil
Lampante Virgin Olive Oil
Olive-Pomace Oil
Ordinary Virgin Olive Oil
Refined Olive Oil
Virgin Olive Oil

PALM ACID OIL

Acid Oil from Palm Oil
Acid Oil from Palm Oil Refining
Acidulated Palm Oil Soapstock
Hydrogenated Palm Acid Oil

PALM FATTY ACID DISTILLATE

Distilled Palm Fatty Acid Distillate
Fatty Acid Distillate from Palm Oil Refining
Hydrogenated Palm Fatty Acid Distillate (HPFAD)
Palm Deodorizer Distillate
Palm Oil Fatty Acid Distillate

PALM KERNEL ACID OIL

Acidulated Palm Kernel Oil Soapstock
Hydrogenated Palm Kernel Acid Oil

PALM KERNEL OIL

Bleached Palm Kernel Oil
Crude Palm Kernel Oil (CPKO)
Fractionated Palm Kernel Oil
Hydrogenated Palm Kernel Oil
Interesterified Palm Kernel Oil
NBD Palm Kernel Oil
Neutralized Palm Kernel Oil
Palm Kernel Oil Fraction
RBD Palm Kernel Oil
Refined Palm Kernel Oil
Sustainable Palm Kernel Oil

PALM KERNEL OLEIN

Bleached Palm Kernel Olein
Crude Palm Kernel Olein
Fractionated Palm Kernel Olein
Hydrogenated Palm Kernel Olein
Interesterified Palm Kernel Olein
Liquid Fraction of Palm Kernel Olein
NBD Palm Kernel Olein
Neutralized Palm Kernel Olein
RBD Palm Kernel Olein
Sustainable Palm Kernel Olein

PALM KERNEL STEARIN

Bleached Palm Kernel Stearin
Crude Palm Kernel Stearin
Fractionated Palm Kernel Stearin
Hydrogenated Palm Kernel Stearin
Interesterified Palm Kernel Stearin
NBD Palm Kernel Stearin
Neutralized Palm Kernel Stearin
RBD Palm Kernel Stearin
Sustainable Palm Kernel Stearin

PALM MID-FRACTION

Crude Palm Mid Fraction
NBD Palm Mid Fraction
Neutralized and Bleached Palm Mid Fraction
Neutralized Palm Mid Fraction
RBD Palm Mid Fraction
Red Palm Mid Fraction
Sustainable Palm Mid Fraction

PALM OIL

Bleached Palm Oil
Crude Palm Oil (CPO)
Fractionated Palm Oil
Hydrogenated Palm Oil
Interesterified Palm Oil
NBD Palm Oil
Neutralized Palm Oil
Palm Mesocarp Oil
Palm Fruit Oil
RBD Palm Oil
Red Palm Oil
Sustainable Palm Oil
Technical Palm Oil

PALM OLEIN

Bleached Palm Olein
Crude Palm Olein
Double Fractionated Palm Olein
Fractionated Palm Olein
Hydrogenated Palm Olein
Interesterified Palm Olein
NBD Palm Olein
Neutralized Palm Olein
Palm Superolein
RBD Palm Olein
Red Palm Olein
Refined Palm Olein
Sustainable Palm Olein

PALM STEARIN

Bleached Palm Stearin
Crude Palm Stearin
Fractionated Palm Stearin
Hydrogenated Palm Stearin
Interesterified Palm Stearin
NBD Palm Stearin
Neutralized Bleached Palm Stearin
Neutralized Palm Stearin
RBD Palm Stearin
Red Palm Stearin
Refined Bleached Palm Stearin
Refined Palm Stearin
Soft Stearin
Sustainable Palm Stearin

RAPSEED OIL

Crude Degummed Rapeseed Oil
Crude Rapeseed Oil
Fractionated HE Rapeseed Oil
Genetically Modified Rapeseed Oil
HEAR Oil
HE Rapeseed Oil
High Erucic Acid Rapeseed Oil
Hydrogenated HE Rapeseed Oil
Hydrogenated Rapeseed Oil
Interesterified HE Rapeseed Oil
Interesterified Rapeseed Oil
LEAR Oil
Low Erucic Acid Rapeseed Oil
RBD Canola Oil
RBD Rapeseed Oil
Refined Canola Oil
Refined Rapeseed Oil
Tehanical Rapeseed Oil

RICE BRAN OIL

Fractionated Rice Bran Oil
Hydrogenated Rice Bran Oil
Interesterified Rice Bran Oil

SAFFLOWER OIL

Fractionated Safflower Oil
Hydrogenated Safflower Oil
Interesterified Safflower Oil
Safflowerseed Oil
Thistleseed Oil

SHEA BUTTER

Karité Butter
Kariténut Butter
Shea Butter Oil
Shea Butter Olein
Shea Butter Stearin
Sheanut Butter

SOYABEAN OIL

Aceite Crude Desgomado de Soja (S)
Aceite Crudo de Soja (S)
Aceite de Soja (S)
Crude Degummed Soyabean Oil
Crude Degummed Soyabean Oil of Edible Grade
Crude Degummed Soybean Oil
Crude Soyabean Oil
Crude Soybean Oil
Crude Supergummed Soyabean Oil
Expelled Soyabean Oil
Fractionated Soyabean Oil
Genetically Modified Soyabean Oil
Huile Brute de Soja (F)
Huile Brute de Soja Desgommee (F)
Huile de Soja (F)
Hydrogenated Soyabean Oil
Interesterified Soyabean Oil
RBD Soyabean Oil
RBD Soy Oil
Refined Soy Oil
Soyabean Oil
Soy Oil

SUNFLOWER SEED OIL

Crude Sunflower Oil
Crude Sunflowerseed Oil
Crude Sunflowerseed Oil of Edible Grade
Fractionated Sunflowerseed Oil
Genetically Modified Sunflowerseed Oil
High Oleic Sun Oil
Hydrogenated Sunflowerseed Oil
Interesterified Sunflowerseed Oil
Refined Sunflowerseed Oil
Sun Oil
Sunflower Oil

TALLOW

"A" Tallow
All Beef Packer Tallow
All White Tallow
Barso Tallow
Beef Tallow
Bleachable Fancy Tallow
Bulk Tallow
Choice White Grease
Choice White Tallow
Crude Tallow Oil
Edible Tallow
Extra Fancy Tallow
Fancy Tallow
Feed Grade Tallow
Fractionated Tallow
Gannet Tallow
Good Soap Tallow
Government Certified Edible Beef Tallow
High Energy Feed Fat
Hydrogenated Tallow
Inedible Tallow
Inedible Beef Tallow
Inedible Unbleached Technical Tallow
Interesterified Tallow
Laundry Grade Tallow
Low Grade Tallow
Low Titre Tallow
Mutton Tallow
Poultry Oil
Prime Tallow
Pure Beef Tallow
Special Tallow
Tallow Oil
Technical Edible Tallow
Technical Tallow
Toilet Grade Tallow
Top White Tallow
Yellow Grease

TUNG OIL

China Wood Oil
Raw Tung Oil
Raw Wood Oil
Wood Oil

Abbreviations

BSP - British Pharmacopeia
BSS - British Standard Specification
RBD - Refined Bleached Deodorised
NBD - Neutralised Bleached Deodorised
RBDW - Refined Bleached Deodorised
Winterised
PBSY - Prime Bleached Summer Yellow
HE - High Erucic
HEAR - High Erucic Acid Rapeseed
LEAR - Low Erucic Acid Rapeseed

Note: Product names are in bold. All other names are synonyms.

LIST OF COUNTRY ABBREVIATIONS
Part 1 – Code Order

Code	Country	Code	Country
AFG	Afghanistan	COD	Democratic Republic of the Congo
AGO	Angola	COG	Congo
ALB	Albania	COK	Cook Islands
AND	Andorra	COL	Colombia
ARE	United Arab Emirates	COM	Comoros
ARG	Argentina	CPV	Cabo Verde
ARM	Armenia	CRI	Costa Rica
ATG	Antigua and Barbuda	CUB	Cuba
AUS	Australia	CYM	Cayman Islands (United Kingdom)
AUT	Austria	CYP	Cyprus
AZE	Azerbaijan	CZE	Czechia
BDI	Burundi	DEU	Germany
BEL	Belgium	DJI	Djibouti
BEN	Benin	DMA	Dominica
BFA	Burkina Faso	DNK	Denmark
BGD	Bangladesh	DOM	Dominican Republic
BGR	Bulgaria	DZA	Algeria
BHR	Bahrain	ECU	Ecuador
BHS	Bahamas	EGY	Egypt
BIH	Bosnia and Herzegovina	ERI	Eritrea
BLR	Belarus	ESP	Spain
BLZ	Belize	EST	Estonia
BMU	Bermuda (United Kingdom)	ETH	Ethiopia
BOL	Bolivia (Plurinational State of)	FIN	Finland
BRA	Brazil	FJI	Fiji
BRB	Barbados	FRA	France
BRN	Brunei Darussalam	FRO	Faroese, Denmark
BTN	Bhutan	FSM	Micronesia (Federated States of)
BWA	Botswana	GAB	Gabon
CAF	Central African Republic	GBR	United Kingdom
CAN	Canada	GEO	Georgia
CHE	Switzerland	GHA	Ghana
CHL	Chile	GIN	Guinea
CHN	China	GMB	Gambia
CIV	Côte d'Ivoire	GNB	Guinea-Bissau
CMR	Cameroon	GNQ	Equatorial Guinea

Code	Country	Code	Country
GRC	Greece	MAR	Morocco
GRD	Grenada	MCO	Monaco
GTM	Guatemala	MDA	Republic of Moldova
GUY	Guyana	MDG	Madagascar
HKG	Hong Kong, China	MDV	Maldives
HND	Honduras	MEX	Mexico
HRV	Croatia	MHL	Marshall Islands
HTI	Haiti	MKD	North Macedonia
HUN	Hungary	MLI	Mali
IDN	Indonesia	MLT	Malta
IND	India	MMR	Myanmar
IRL	Ireland	MNE	Montenegro
IRN	Iran (Islamic Republic of)	MNG	Mongolia
IRQ	Iraq	MOZ	Mozambique
ISL	Iceland	MRT	Mauritania
ISR	Israel	MUS	Mauritius
ITA	Italy	MWI	Malawi
JAM	Jamaica	MYS	Malaysia
JOR	Jordan	NAM	Namibia
JPN	Japan	NER	Niger
KAZ	Kazakhstan	NGA	Nigeria
KEN	Kenya	NIC	Nicaragua
KGZ	Kyrgyzstan	NIU	Niue
KHM	Cambodia	NLD	Netherlands
KIR	Kiribati	NOR	Norway
KNA	Saint Kitts and Nevis	NPL	Nepal
KOR	Republic of Korea	NRU	Nauru
KWT	Kuwait	NZL	New Zealand
LAO	Lao People's Democratic Republic	OMN	Oman
LBN	Lebanon	PAK	Pakistan
LBR	Liberia	PAN	Panama
LBY	Libya	PER	Peru
LCA	Saint Lucia	PHL	Philippines
LIE	Liechtenstein	PLW	Palau
LKA	Sri Lanka	PNG	Papua New Guinea
LSO	Lesotho	POL	Poland
LTU	Lithuania	PRK	Democratic People's Republic of Korea
LUX	Luxembourg	PRT	Portugal
LVA	Latvia	PRY	Paraguay

Code Country

QAT Qatar
ROU Romania
RUS Russian Federation
RWA Rwanda
SAU Saudi Arabia
SDN Sudan
SEN Senegal
SGP Singapore
SLB Solomon Islands
SLE Sierra Leone
SLV El Salvador
SMR San Marino
SOM Somalia
SRB Serbia
SSD South Sudan
STP Sao Tome and Principe
SUR Suriname
SVK Slovakia
SVN Slovenia
SWE Sweden
SWZ Eswatini
SYC Seychelles
SYR Syrian Arab Republic
TCD Chad
TGO Togo

Code Country

THA Thailand
TJK Tajikistan
TKM Turkmenistan
TLS Timor-Leste
TON Tonga
TTO Trinidad and Tobago
TUN Tunisia
TUR Türkiye
TUV Tuvalu
TZA United Republic of Tanzania
UGA Uganda
UKR Ukraine
URY Uruguay
USA United States
UZB Uzbekistan
VAT Holy See
VCT Saint Vincent and the Grenadines
VEN Venezuela (Bolivarian Republic of)
VNM Viet Nam
VUT Vanuatu
WSM Samoa
YEM Yemen
ZAF South Africa
ZMB Zambia
ZWE Zimbabwe

LIST OF COUNTRY ABBREVIATIONS
Part 2 – Country Order

Code	Country	Code	Country
AFG	Afghanistan	CHL	Chile
ALB	Albania	CHN	China
DZA	Algeria	COL	Colombia
AND	Andorra	COM	Comoros
AGO	Angola	COG	Congo
ATG	Antigua and Barbuda	COK	Cook Islands
ARG	Argentina	CRI	Costa Rica
ARM	Armenia	CIV	Côte d'Ivoire
AUS	Australia	HRV	Croatia
AUT	Austria	CUB	Cuba
AZE	Azerbaijan	CYP	Cyprus
BHS	Bahamas	CZE	Czechia
BHR	Bahrain	PRK	Democratic People's Republic of Korea
BGD	Bangladesh	COD	Democratic Republic of the Congo
BRB	Barbados	DNK	Denmark
BLR	Belarus	DJI	Djibouti
BEL	Belgium	DMA	Dominica
BLZ	Belize	DOM	Dominican Republic
BEN	Benin	ECU	Ecuador
BMU	Bermuda (United Kingdom)	EGY	Egypt
BTN	Bhutan	SLV	El Salvador
BOL	Bolivia (Plurinational State of)	GNQ	Equatorial Guinea
BIH	Bosnia and Herzegovina	ERI	Eritrea
BWA	Botswana	EST	Estonia
BRA	Brazil	SWZ	Eswatini
BRN	Brunei Darussalam	ETH	Ethiopia
BGR	Bulgaria	FRO	Faroese, Denmark
BFA	Burkina Faso	FJI	Fiji
BDI	Burundi	FIN	Finland
CPV	Cabo Verde	FRA	France
KHM	Cambodia	GAB	Gabon
CMR	Cameroon	GMB	Gambia
CAN	Canada	GEO	Georgia
CYM	Cayman Islands (United Kingdom)	DEU	Germany
CAF	Central African Republic	GHA	Ghana
TCD	Chad	GRC	Greece

Code	Country	Code	Country
GRD	Grenada	MLI	Mali
GTM	Guatemala	MLT	Malta
GIN	Guinea	MHL	Marshall Islands
GNB	Guinea-Bissau	MRT	Mauritania
GUY	Guyana	MUS	Mauritius
HTI	Haiti	MEX	Mexico
VAT	Holy See	FSM	Micronesia (Federated States of)
HND	Honduras	MCO	Monaco
HKG	Hong Kong, China	MNG	Mongolia
HUN	Hungary	MNE	Montenegro
ISL	Iceland	MAR	Morocco
IND	India	MOZ	Mozambique
IDN	Indonesia	MMR	Myanmar
IRN	Iran (Islamic Republic of)	NAM	Namibia
IRQ	Iraq	NRU	Nauru
IRL	Ireland	NPL	Nepal
ISR	Israel	NLD	Netherlands
ITA	Italy	NZL	New Zealand
JAM	Jamaica	NIC	Nicaragua
JPN	Japan	NER	Niger
JOR	Jordan	NGA	Nigeria
KAZ	Kazakhstan	NIU	Niue
KEN	Kenya	MKD	North Macedonia
KIR	Kiribati	NOR	Norway
KWT	Kuwait	OMN	Oman
KGZ	Kyrgyzstan	PAK	Pakistan
LAO	Lao People's Democratic Republic	PLW	Palau
LVA	Latvia	PAN	Panama
LBN	Lebanon	PNG	Papua New Guinea
LSO	Lesotho	PRY	Paraguay
LBR	Liberia	PER	Peru
LBY	Libya	PHL	Philippines
LIE	Liechtenstein	POL	Poland
LTU	Lithuania	PRT	Portugal
LUX	Luxembourg	QAT	Qatar
MDG	Madagascar	KOR	Republic of Korea
MWI	Malawi	MDA	Republic of Moldova
MYS	Malaysia	ROU	Romania
MDV	Maldives	RUS	Russian Federation

Code Country

RWA Rwanda
KNA Saint Kitts and Nevis
LCA Saint Lucia
VCT Saint Vincent and the Grenadines
WSM Samoa
SMR San Marino
STP Sao Tome and Principe
SAU Saudi Arabia
SEN Senegal
SRB Serbia
SYC Seychelles
SLE Sierra Leone
SGP Singapore
SVK Slovakia
SVN Slovenia
SLB Solomon Islands
SOM Somalia
ZAF South Africa
SSD South Sudan
ESP Spain
LKA Sri Lanka
SDN Sudan
SUR Suriname
SWE Sweden
CHE Switzerland

Code Country

SYR Syrian Arab Republic
TJK Tajikistan
THA Thailand
TLS Timor-Leste
TGO Togo
TON Tonga
TTO Trinidad and Tobago
TUN Tunisia
TUR Türkiye
TKM Turkmenistan
TUV Tuvalu
UGA Uganda
UKR Ukraine
ARE United Arab Emirates
GBR United Kingdom
TZA United Republic of Tanzania
USA United States
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UZB Uzbekistan
VUT Vanuatu
VEN Venezuela (Bolivarian Republic of)
VNM Viet Nam
YEM Yemen
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CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 1 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
AA118 SAFETY NON-CAUSTIC	VANCE CHEMICALS PTE. LTD.	SGP
AA128 MULTI-DUTY	VANCE CHEMICALS PTE. LTD.	SGP
AA138 HEAVY-DUTY	VANCE CHEMICALS PTE. LTD.	SGP
AA158 ACIDIC	VANCE CHEMICALS PTE. LTD.	SGP
AC Clean 1 JT	TriStar Industries BV	NLD
AC Clean 24	Tristar Industries BV	NLD
Accell Clean Marine	Advanced BioCatalytics Corp.	USA
Accell Clean Marine Plus	Advanced BioCatalytics Corp.	USA
ACE 4020 Multi Purpose Detergent, T-Pol	ACE Chemicals International Pte. Ltd	SGP
ACE 7012 Oil & Grease Remover	ACE Chemicals International Pte. Ltd	SGP
ACE 9005 Heavy Duty Alkaline Cleaner	ACE Chemicals International Pte. Ltd	SGP
ACE 9007 Heavy Duty Tank Cleaner A	ACE Chemicals International Pte. Ltd	SGP
ACE 9011 Heavy Duty Cleaner	ACE Chemicals International Pte. Ltd	SGP
ACE 9020 Liquid Rig Wash	ACE Chemicals International Pte. Ltd	SGP
ACE 9026 Hydrocarbon Remover	ACE Chemicals International Pte. Ltd	SGP
ACE 9027 Sodium Hypochlorite 12% Solution	ACE Chemicals International Pte. Ltd	SGP
Acquaclean MPA	Blutec srl.	ITA
Air-O-Gone-1	TriStar Industries BV	NLD
ALCACLEAN HD	MARICHEM MARIGASES Worldwide	GRC
ALCACLEAN XF	MARICHEM MARIGASES WORLDWIDE SERVICES	GRC
ALCACTIVE LIQUID	MARICHEM MARIGASES Worldwide	GRC
ALCACTIVE LIQUID PLUS	MARICHEM MARIGASES Worldwide	GRC
Alclean	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
ALCLEAN	G&E Bridge Ltd	KOR
ALCLEAN HD	G&E Bridge Ltd	KOR
Alclean Safe	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
ALCLEAN SAFE	G&E Bridge Ltd	KOR
Alcleaner PBC	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
ALKA MARINE SAFETY	CHEM MARINE	CHL
ALKA MARINE SHS	CHEM MARINE	CHL
ALKA MARINE WCI	World Clean International	PAN
ALKA MARINETUFF PHS	CHEM MARINE	CHL
Alkaclean	UNI Americas LLC	USA
ALKACLEAN	UNIservice UNISAFE S.r.l.	ITA
ALKACLEAN	Blutec srl.	ITA
Alkaclean HD / PC Cleaner	Unimarine International BV	NLD
ALKACLEAN P.	Blutec srl.	ITA
Alkaclean S.	Blutec srl	ITA
Alkaclean Safety	Vecom Marine B.V.	NLD
Alkaclean Safety	Unimarine International BV	NLD
Alkaclean Safety	UNI Americas LLC	USA
ALKACLEAN SAFETY	UNIservice UNISAFE S.r.l.	ITA
ALKAKLEEN	ALPHA CHEMICAL PRODUCTS	GRC
Alkaline (CAUS)	StarMarine Chemical BV	NLD
Alkaline (POT)	StarMarine Chemical BV	NLD
ALKALINE CLEANER PH	OCN MARINE CHEMICALS	CHL
Alkaline Green	Chemax and Pypers Company Limited	THA

*It should be noted that where products or their solutions that appear in chapter 17 or 18 of the IBC Code or list 1 of the MEPC.2/Circular are used as washing media, their discharge shall be governed by regulation 13.5.1 of MARPOL Annex II and they do not need to be listed here.

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 2 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
ALKALINE HIGH WCI	World Clean International	PAN
Alkasafe Cleaner	CHEMO	GRC
Alkasolvent Liquid	CHEMO	GRC
Alkleen Buffer	Wilhelmsen Chemicals AS	NOR
Alkleen Liquid	Wilhelmsen Chemicals AS	NOR
Alkleen Safety Liquid	Wilhelmsen Chemicals AS	NOR
ALOHA SWING	New Shin Young Co., Ltd.	KOR
ALOHA SWING PLUS	New Shin Young Co., Ltd.	KOR
ALPHA BUFFER CLEAN	ALPHA MARINE SOLUTIONS	USA
ALPHA SOAP	ALPHA MARINE SOLUTIONS	USA
ALPHA SOLVE	ALPHA MARINE SOLUTIONS	USA
ALPHASAFE	ALPHA CHEMICAL PRODUCTS	GRC
AMEROID RSR	DREW MARINE	USA
APEX ECO SOLVE	APEX CHEMICALS (S) PTE LTD	SGP
APEX FOTC	APEX CHEMICALS (S) PTE LTD	SGP
APEX MOTC	APEX CHEMICALS (S) PTE LTD	SGP
APEX RYDLYME MARINE	APEX CHEMICALS (S) PTE LTD	SGP
APEX SMITH 88	APEX CHEMICALS (S) PTE LTD	SGP
APEX SMITH 99	APEX CHEMICALS (S) PTE LTD	SGP
APEX TANK CLEAN VLC	APEX CHEMICALS (S) PTE LTD	SGP
APEX-101 ECO ACID	APEX CHEMICALS (S) PTE LTD	SGP
APEX-120 METAL BRITE HD	APEX CHEMICALS (S) PTE LTD	SGP
APEX-128 METAL BRITE XTREME	APEX CHEMICALS (S) PTE LTD	SGP
APEX-182 PASSIVE CLEAN	APEX CHEMICALS (S) PTE LTD	SGP
APEX-195 TANK CLEAN BUFFER	APEX CHEMICALS (S) PTE LTD	SGP
APEX-228 SANI CLEAN	APEX CHEMICALS (S) PTE LTD	SGP
APEX-280 NEUTRAL HCF	APEX CHEMICALS (S) PTE LTD	SGP
APEX-290 TANK CLEAN OSD	APEX CHEMICALS (S) PTE LTD	SGP
APEX-303 ECOCLEAN	APEX CHEMICALS (S) PTE LTD	SGP
APEX-304 CHLOR CLEAN	APEX CHEMICALS (S) PTE LTD	SGP
APEX-418 ALKACLEAN HD	APEX CHEMICALS (S) PTE LTD	SGP
APEX-418PH ALKACLEAN HD (POTASSIUM)	APEX CHEMICALS (S) PTE LTD	SGP
APEX-460 ALKACLEAN SAFETY LIQUID	APEX CHEMICALS (S) PTE LTD	SGP
APEX-480XF AQUATUFF HIGH FOAM	APEX CHEMICALS (S) PTE LTD	SGP
APEX-5 MULTI POL	APEX CHAMICALS (S) PTE LTD	SGP
APEX-550 SEACLEAN VOYAGE	APEX CHEMICALS (S) PTE LTD	SGP
Aquabreak PX	Wilhelmsen Chemicals AS	NOR
Aquamarine Aquawash T1080A	Aquamarine Chemicals	GBR
Aquamarine Caustic-Free Cleaner	Aquamarine Chemicals	GBR
Aquamarine Natural Zest T1335A	Aquamarine Chemicals	GBR
Aquamarine Neutral HCF	Aquamarine Chemicals	GBR
Aquamarine Rustremover	Aquamarine Chemicals	GBR
Aquamarine Strong Alkaline Cleaner T1108A	Aquamarine Chemicals	GBR
Aquamarine Tank Cleaner HD	Aquamarine Chemicals	GBR
AQUAQUICK 2000	AQUAQUICK EUROPE	NLD
AQUAQUICK 2000 SP	AQUAQUICK EUROPE	NLD
ARIA AC+	K Marine Chemical Co., Ltd.	KOR

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 3 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
ARIA AGENT	K Marine Chemical Co., Ltd.	KOR
ARIA NEUTRAL PH	K Marine Chemical Co., Ltd.	KOR
ARIA SAFETY CLEAN	K Marine Chemical Co., Ltd.	KOR
ARR SAFETY LIQUID	EUROCHEM SA	GRC
ARR-LIQUID	EUROCHEM SA	GRC
ATLAS 100	Atlas Chemicals, Inc	USA
ATLAS 150	Atlas Chemicals, Inc	USA
ATLAS 202	Atlas Chemicals, Inc	USA
ATLAS A-CHLOR	Atlas Chemicals, Inc	USA
ATLAS AQUA-SOLV	Atlas Chemicals, Inc	USA
ATLAS ATC	ATLAS CHEMICAL	USA
ATLAS CD-SEA	Atlas Chemicals, Inc	USA
ATLAS I-A-C	Atlas Chemicals, Inc	USA
ATLAS KRUSHER	Atlas Chemicals, Inc	USA
ATLAS MAR-CLEAN	Atlas Chemicals, Inc	USA
ATLAS METAL BRIGHT	Atlas Chemicals, Inc	USA
ATLAS METAL TREAT	Atlas Chemicals, Inc	USA
ATLAS SEA CLEAN	ATLAS CHEMICAL	USA
ATLAS SUPER GREEN	Atlas Chemicals, Inc	USA
ATLAS VIRO-SOL	ATLAS CHEMICAL	USA
AVRA ECO HCF	AVRA MARINE CHEMICALS S.P.C.	GRC
AVRA IGS CLEANER	AVRA MARINE CHEMICALS S.P.C.	GRC
AVRA TANK CLEANER	AVRA MARINE CHEMICALS S.P.C.	GRC
AVRA TANK SAFE	AVRA MARINE CHEMICALS S.P.C.	GRC
AVRACLEAN	AVRA MARINE CHEMICALS S.P.C.	GRC
AVRACLEAN HD	AVRA MARINE CHEMICALS S.P.C.	GRC
AVRAPOL	AVRA MARINE CHEMICALS S.P.C.	GRC
B.T.S. HCF Water Based	Blutec srl	ITA
Bio Degreaser 165	Vecom Marine B.V.	NLD
Bonderite C-AD TR-1020S(DE)	Henkel Belgium N.V.	BEL
Bonderite C-IC 146	Henkel Belgium N.V.	BEL
Bonderite C-MC 12110	Henkel Belgium N.V.	BEL
Bonderite C-MC A	Henkel Adhesive Technologies	BEL
BONDERITE C-MC X VLOEIBA (formerly P3-x vloeibaar)	Henkel Belgium N.V.	BEL
BRAINCHEM AQUACLEAN HIGH FOAM (Code 551013)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM AQUACLEAN LOW FOAM (Code 551017)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM ENVIRO CLEAN (Code 551020)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM INHIBITOR KILLER (Code 550168)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM MB HD (Code 551081)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM NEUTRAL HCF (Code 551019)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM OIL SPILL DISPERSANT (Code 551076)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM SC (Code 551021)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM SEACLEAN (Code 551042)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM TANK CLEAN ECO (Code 551041)	Brain Chem Int Pte Ltd	SGP
BRAINCHEM TANKCLEAN BUFFER (Code 551043)	Brain Chem Int Pte Ltd	SGP
BTI BIO	OILFLUX CAPITAL, SL	ESP
Buffer	StarMarine Chemical BV	NLD

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 4 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
Bufferclean 5.5	Unimarine International BV	NLD
Buffersol	MARICHEM MARIGASES Worldwide	GRC
C CLEAN NEO	Diversey Co. Ltd.	JPN
C/W CLEANER	ALPHA MARINE SOLUTIONS	USA
Carbin Cleaner	Shanghai Whitecat Special Chemicals Co. Ltd.	CHN
Carechlor	Marine Care B.V.	NLD
Careclean Acrylate Neutralizer	Marine Care B.V.	NLD
Careclean AF	Marine Care BV	NLD
Careclean Alkaline	Marine Care BV	NLD
Careclean Alkaline Extra	Marine Care BV	NLD
Careclean Alkaline Safety	Marine Care BV	NLD
Careclean Aquawash (Teepol)	Marine Care BV	NLD
Careclean Buffer	Marine Care BV	NLD
Careclean Caustic Soda	Marine Care B.V.	NLD
CareClean Citric Acid	Marine Care B.V.	NLD
Careclean Coaltar	Marine Care BV	NLD
Careclean Concentrated Tank Cleaner	Marine Care BV	NLD
CareClean CR	Marine Care B.V.	NLD
Careclean D80	Marine Care BV	NLD
Careclean Degreaser GP	Marine Care BV	NLD
Careclean Degreaser HD	Marine Care BV	NLD
Careclean Degreaser HD Split	Marine Care BV	NLD
Careclean Detergent Booster	Marine Care BV	NLD
Careclean Ecosolv	Marine Care B.V.	NLD
Careclean Energy Wash	Marine Care BV	NLD
Careclean Formula #3	Marine Care B.V.	NLD
Careclean Formula #4	Marine Care B.V.	NLD
Careclean Formula #5	Marine Care B.V.	NLD
Careclean Foro HD	Marine Care BV	NLD
Careclean GP Enviro	Marine Care BV	NLD
Careclean HCF - BG	Marine Care B.V.	NLD
Careclean Inhibitor Killer/Lead Cleaner	Marine Care BV	NLD
Careclean Latex Remover	Marine Care B.V.	NLD
Careclean LOW COD	Marine Care BV	NLD
Careclean Multiclean	Marine Care BV	NLD
Careclean Neutral HCF	Marine Care BV	NLD
Careclean Passivation Liquid	Marine Care cleaning additives	NLD
Careclean PL-CA	Marine Care BV	NLD
Careclean PL-Con	Marine Care cleaning additives	NLD
Careclean Potassium Hydroxide	Marine Care B.V.	NLD
Careclean Rust	Marine Care BV	NLD
Careclean SC	Marine Care B.V.	NLD
Careclean Super Degreaser	Marine Care BV	NLD
Careclean Supersolv	Marine Care B.V.	NLD
Careclean Tank Guard	Marine Care B.V.	NLD
CARECLEAN TANK-BRIGHT	MARINE CARE B.V.	NLD
Careclean Voyage (Seaclean)	Marine Care BV	NLD

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 5 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
Careclean WAF	Marine Care B.V.	NLD
Careclean Xcellerate VO	Marine Care B.V.	NLD
Careclean Zinco Surf	Marine Care B.V.	NLD
Caretank ECO	Marine Care BV	NLD
Caretank ECO Extra	Marine Care BV	NLD
Cargo Hold Cleanser	Yantai Mercury Chemical Technology Co., Ltd	CHN
Caustic Flakes	Wilhelmsen Chemicals AS	NOR
Caustic Potash	Wilhelmsen Chemicals AS	NOR
Caustic Potash DM	Drew Marine	USA
Caustic Soda DM	Drew Marine	USA
Cement Remover	MARICHEM MARIGASES Worldwide	GRC
CH-1 - High Foam Alkaline Cleaner for NLS Cargo Tanks	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
CHEMIPOL	CHEMO	GRC
Chemtec Bleach	CHEMTEC Chemicals GmbH	DEU
Chemtec B-Solve	CHEMTEC Chemicals GmbH	DEU
Chemtec Citric Acid	CHEMTEC Chemicals GmbH	DEU
Chemtec KOH	CHEMTEC Chemicals GmbH	DEU
Chemtec Multipol	CHEMTEC Chemicals GmbH	DEU
Chemtec NaOH	CHEMTEC Chemicals GmbH	DEU
Chemtec Nitric Acid	CHEMTEC Chemicals GmbH	DEU
Chemtec Sodium Carbonate	CHEMTEC Chemicals GmbH	DEU
CHEMTEC Solvent Degreaser	CHEMTEC Chemicals GmbH	DEU
CHEMTEC ZnHCR	CHEMTEC Chemicals GmbH	DEU
Chemtec-HCK	CHEMTEC Chemicals GmbH	DEU
CHLOR 12%	UNIservice UNISAFE S.r.l.	ITA
Citrisurf 3050	Stellar Solutions Inc	USA
CITRUS CLEAN	ALPHA MARINE SOLUTIONS	USA
Clean Break	UNI Americas LLC	USA
Cleanbreak	Blutec srl	ITA
Coal Tar Cleaner	Unimarine International BV	NLD
COAL TAR CLEANER	AVRA MARINE CHEMICALS S.P.C.	GRC
Coal Tar Remover	Vecom Marine B.V.	NLD
COAL TAR REMOVER	CHEMO SA	GRC
COAL TAR REMOVER	Ertek Chemicals	TUR
Coaltar Remover	WVT Industries N.V.	BEL
COLD WASH	UNIservice UNISAFE S.r.l.	ITA
Cold Wash C.	Blutec srl	ITA
Cold Wash HD	UNI Americas LLC	USA
COLD WASH MARINE	CHEM MARINE	CHL
Coldwash HD	Unimarine International BV	NLD
CP Bleach	CP Metal Chemicals	NLD
CP B-Solve	CP Metal Chemicals	NLD
CP Caustic	CP Metal Chemicals	NLD
CP Citric Acid	CP Metal Chemicals	NLD
CP Lead Clean	CP METAL CHEMICALS	NLD
CP Nitric Acid	CP Metal Chemicals	NLD
CP Potassium	CP Metal Chemicals	NLD

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 6 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
CP Sodium Carbonate	CP Metal Chemicals	NLD
CR AQUA CLEANER M	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER B	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER B PLUS	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER C	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER D	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER E	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER HCF	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER LAC	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER X	CRAMOIL SINGAPORE PTE LTD	SGP
CR ENVIROCLEAN	CRAMOIL SINGAPORE PTE LTD	SGP
CR LEADCLEAN	CRAMOIL SINGAPORE PTE LTD	SGP
CR SPARKLECLEAN 8.4	CRAMOIL SINGAPORE PTE LTD	SGP
CR ZINC SAFE NEUTRAL HCF	CRAMOIL SINGAPORE PTE LTD	SGP
CT Alka HD	CHEMTEC Chemicals GmbH	DEU
CT Metal HD	CHEMTEC Chemicals GmbH	DEU
CTC - Cleaner - VLC	CHEMTEC Chemicals GmbH	DEU
D'Bond Heavy Duty Alkaline Degreaser	CSG Industries Pte Ltd	SGP
D'Bond Multi-purpose Cleaner	CSG Industries Pte Ltd	SGP
D'Bond Tank Cleaner (Solvent-based)	CSG Industries Pte Ltd	SGP
D'Bond Tank Cleaner (Water-based)	CSG Industries Pte Ltd	SGP
DC CLEAN HCR	DaeChang Chemical Co. Ltd.	KOR
DC CLEAN MSC	DaeChang Chemical Co. Ltd.	KOR
DC CLEAN NEUTRAL	DaeChang Chemical Co. Ltd.	KOR
DC CLEAN NLS	DaeChang Chemical Co. Ltd.	KOR
DC-ALKACLEAN	DaeChang Chemical Co. Ltd.	KOR
DC-ALKACLEAN HD	DaeChang Chemical Co. Ltd.	KOR
DC-CLEAN AC	DaeChang Chemical Co. Ltd.	KOR
DC-CLEAN AC +	DaeChang Chemical Co. Ltd.	KOR
DC-NEUTRALCARE	DaeChang Chemical Co. Ltd.	KOR
DC-RSR	DaeChang Chemical Co. Ltd.	KOR
Degreaser 156	Vecom Marine B.V.	NLD
DEGREASER HD WCI	World Clean International	PAN
Descaler Liquid 555	MARICHEM MARIGASES Worldwide	GRC
DG SUPER ECO	MARICHEM MARIGASES WORLDWIDE SERVICES	GRC
DG-01 - Solvent Based Degreaser HD Split for NLS Cargo Tank Cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG-02 - Heavy Duty Solvent Based Degreaser for NLS Cargo Tank Cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG-03 - Heavy Duty Water Based Degreaser for NLS Cargo Tank Cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG-04 - Multi-Purpose Liquid Detergent for NLS Cargo Tank Cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG-05 - Environment Cleaner Degreaser	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG12 TANK WASH	Sepcotech A/S	DNK
DG12-T	Sepcotech A/S	DNK
DREW ABD	Drew Marine	USA
Drew BC	Drew Marine	USA
DREW NBD	Drew Marine	USA

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 7 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
DYE OUT	CHEMO	GRC
Eazy Aquaclean	Eazychem Ltd	GBR
Eazy Aquaclean HD	Eazychem Ltd	GBR
Eazy Aqualac	Eazychem Ltd.	GBR
Eazy Aqualac-P	Eazychem Ltd	GBR
Eazy NBD	Eazychem Ltd.	GBR
Eazy RSR	Eazychem Ltd.	GBR
Eazy Tankwash	Eazychem Ltd.	GBR
EC-Alkaclean HD/PC Cleaner	EFLOCHEM Chemicals Blending LLC	NLD
EC-Alkaclean Safety	EFLOCHEM Chemicals Blending LLC	NLD
EC-Bufferclean 5.5	EFLOCHEM Chemicals Blending LLC	NLD
EC-Clean Break	EFLOCHEM Chemicals Blending LLC	NLD
EC-Coal Tar Cleaner	EFLOCHEM Chemicals Blending LLC	NLD
EC-Coldwash HD	EFLOCHEM Chemicals Blending LLC	NLD
EC-Ecoclean	EFLOCHEM Chemicals Blending LLC	NLD
EC-Genepol	EFLOCHEM Chemicals Blending LLC	NLD
ECO ADVANCE	K Marine Chemical Co., Ltd.	KOR
ECO MARINE	CHEM MARINE	CHL
ECOBBLUE ALKALINE WATER BASED SUPER DEGREASER F	Manchem (Pty) Limited	ZAF
ECOBBLUE ALKALINE WATER BASED SUPER DEGREASER LF	Manchem (Pty) Limited	ZAF
ECOBBLUE NEUTRAL WATER BASED SUPER DEGREASER F	Manchem (Pty) Limited	ZAF
ECOBBLUE NEUTRAL WATER BASED SUPER DEGREASER LF	Manchem (Pty) Limited	ZAF
Ecoclean	Unimarine International BV	NLD
Ecoclean	Vecom Marine B.V.	NLD
Ecoclean	UNI Americas LLC	USA
ECOCLEAN	UNIservice UNISAFE S.r.l.	ITA
ECOCLEAN	Blutec srl.	ITA
ECOSOLUT 14	OTI-Greentech AG	NLD
ECOSOLUT 24	OTI Greentech AG	CHE
ECOSOLUT 50	OTI-Greentech AG	DEU
ECOsolut CC	UNIservice UNISAFE S.r.l.	ITA
EC-Resin Remover	EFLOCHEM Chemicals Blending LLC	NLD
EC-Rust Remover	EFLOCHEM Chemicals Blending LLC	NLD
EC-Seaclean	EFLOCHEM Chemicals Blending LLC	NLD
EC-Uniclean GP	EFLOCHEM Chemicals Blending LLC	NLD
EC-Uniclean HCF Eco	EFLOCHEM Chemicals Blending LLC	NLD
EC-Uniclean Steam Cleaner	EFLOCHEM Chemicals Blending LLC	NLD
EC-Uniclean Tank/Separating	EFLOCHEM Chemicals Blending LLC	NLD
EDGE	Drew Marine	USA
Enviro Alka Kleen HD	Enviro-Tech Specialities, Inc.	USA
Enviro Alka Kleen SAF	Enviro-Tech Specialities, Inc.	USA
Enviro Buffer Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Care 370	Drew Marine	USA
Enviro Caustic (Sodium Hydroxide)	Enviro-Tech Specialities, Inc.	USA
Enviro Chlor	Enviro-Tech Specialities, Inc.	USA
Enviro Citrol Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Cleaner	StarMarine Chemical	NLD

CARGO TANK CLEANING ADDITIVES

Name of cleaning additive	Name of manufacturer	Reporting country
Enviro HCF Tank Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro HCF Tank Kleen SAF	Enviro-Tech Specialities, Inc.	USA
Enviro Kleen HD	Enviro-Tech Specialities, Inc.	USA
Enviro KOH (Potassium Hydroxide)	Enviro-Tech Specialities, Inc.	USA
Enviro Liquid Alkaline Cleaner/LAC	Enviro-Tech Specialities, Inc.	USA
Enviro Multi Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro P/D Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Rust Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Sea Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Solv	Enviro-Tech Specialities, Inc.	USA
Enviro Teepol	Enviro-Tech Specialities, Inc.	USA
ENVIROCARE 330	Drew Marine	USA
ENVIROCARE 340	Drew Marine	USA
ENVIROCARE 350	Drew Marine	USA
Envirocare 480	Drew Marine	USA
ENVIROCARE 480	Drew Marine	USA
ENVIROMATE® 2000	Drew Marine	USA
Enviropower HD	CHEMO	GRC
ER-AC	Ertek Chemicals	TUR
ER-AC PLUS	Ertek Chemicals	TUR
ER-APC	Ertek Chemicals	TUR
ER-APC AQUA	Ertek Chemicals	TUR
ER-APC EXTRA 200	Ertek Chemicals	TUR
ER-APC EXTRA 50	Ertek Chemicals	TUR
ERCLEAN BUFFER	Ertek Chemicals	TUR
ERCLEAN CTC	Ertek Chemicals	TUR
ERCLEAN IGS	Ertek Chemicals	TUR
ER-CLEAN SAFETY	Ertek Chemicals	TUR
ERCLEAN-ALCA	ERTEK CHEMICALS	TUR
ERCLEAN-HCF	Ertek Chemicals	TUR
ERCLEAN-HCF CONCENTRATE	ERTEK CHEMICALS	TUR
ERCLEAN-HCOH	ERTEK CHEMICALS	TUR
ERCLEAN-SYNER-G	ERTEK CHEMICALS	TUR
ER-HDC	Ertek Chemicals	TUR
ER-OGR	Ertek Chemicals	TUR
ER-TEEPOL	Ertek Chemicals	TUR
ERTEK CAUSTIC SODA	ERTEK CHEMICALS	TUR
ERTEK NITRIC ACID	ERTEK CHEMICALS	TUR
ERTEK POTASSIUM HYDROXIDE	ERTEK CHEMICALS	TUR
ERTEK SODIUM CARBONATE	ERTEK CHEMICALS	TUR
EUROCLEAN	EUROCHEM SA	GRC
FALCHEM AQUASOLVE	Enerchem (s) Pte Ltd	SGP
FALCHEM Bleach Substitute	Enerchem (S) Pte. Ltd	SGP
FALCHEM Buffer Clean, Tank Cleaner	Enerchem (S) Pte. Ltd	SGP
FALCHEM CITRUS KLEEN	Enerchem (s) Pte Ltd	SGP
FALCHEM Enerpol, Multi Purpose Detergent	Enerchem (S) Pte. Ltd	SGP
FALCHEM ENVIROCLEAN	Enerchem (s) Pte Ltd	SGP

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 9 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
FALCHEM NEUTRAL CLEANER	Enerchem (s) Pte Ltd	SGP
FALCHEM SOLVATE OIL AND GREASE EMULSION	Enerchem (s) Pte Ltd	SGP
FALCHEM TANKLEEN	Enerchem (s) Pte Ltd	SGP
FOAM PLUS	MARICHEM MARIGASES Worldwide	GRC
Fresh Force Kleen	CHEMO	GRC
GCS SUPER	MARICHEM MARIGASES WORLDWIDE SERVICES	GRC
Genepol	Blutec srl	ITA
Genepol	UNI Americas LLC	USA
Genepol	Unimarine International BV	NLD
GENEPOL	UNIservice UNISAFE S.r.l.	ITA
General Cleaning & Solvent	MARICHEM MARIGASES Worldwide	GRC
GP Degreaser	Vecom Marine B.V.	NLD
GP Enviro	Vecom Marine B.V.	NLD
Grato 1 Marine	Henkel Belgium N.V.	BEL
Grato 14 marine	Henkel Belgium N.V.	BEL
Grato 14 marine (US)	Henkel Belgium N.V.	BEL
GRATO 3000 MARINE	Henkel Belgium N.V.	BEL
Grato 50 marine	Henkel Belgium N.V.	BEL
Grato 50 marine (US)	Henkel Belgium N.V.	BEL
Green Care HC	Marine Care cleaning additives	NLD
Green Enviro	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
GreenCare CR	Marine Care	NLD
GreenCare Rust Remover	Marine Care	NLD
GreenCare Synergy	Marine Care cleaning additives	NLD
GREM COLD WASH	KALON S.A. SMYTH MORRIS	ESP
GZ-01 SEA NEUTRAL HCF	GZ CHEMICAL INC	CHL
GZ-02 ECO SEA	GZ CHEMICAL INC	CHL
GZ-03 SEA TUFF	GZ CHEMICAL INC	CHL
GZ-04 ALKA SEA	GZ CHEMICAL INC	CHL
GZ-05 SEA ALKA SAFETY	GZ CHEMICAL INC	CHL
GZ-10 SEA BREAK CLEANER	GZ CHEMICAL INC	CHL
GZ-12 SEA DISPERSANT	GZ CHEMICAL INC	CHL
HAIZEN S-100	KAO CORP.	JPN
HAIZEN T-200	KAO Professional Services CO., Ltd.	JPN
HAIZEN T-300	KAO Professional Services CO., Ltd.	JPN
HAIZEN T-310	KAO Professional Services CO., Ltd	JPN
HD ALKALINE	ALPHA MARINE SOLUTIONS	USA
HD Tank Cleaner	WVT Industries N. V.	BEL
Hexaclean 3126 Alkaline Cleaner	A.I.M. Chemical Industries Pte Ltd	SGP
Hexaclean 3221 MP Detergent	A.I.M. Chemical Industries Pte Ltd	SGP
Hexaclean 3235 Water-Based Rigclean	A.I.M. Chemical Industries Pte Ltd	SGP
Hexaclean 3414 Heavy Duty Degreaser	A.I.M. Chemical Industries Pte Ltd	SGP
HOLDBRITE	CHEMO SA	GRC
HOLDBRITE XF	CHEMO SA	GRC
HOLDCLEAN	ALPHA CHEMICAL PRODUCTS	GRC
HOLDCLEAN XF	ALPHA CHEMICAL PRODUCTS	GRC
Hydrocarbon Remover	UNI Americas LLC	USA

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 10 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
HYDROCARBON X	ALPHA MARINE SOLUTIONS	USA
IGS CLEANER	CHEMO	GRC
IGS MARI-CLEANER	MARICHEM MARIGASES WORLDWIDE SERVICES	GRC
Ion and Alkali Cleaning Agent of Jpal	Jpec Co. Ltd	JPN
Ipochlor-Inhibitor Killer	Star Marine Chemicals BV	NLD
K CLEAN AC	K Marine Chemical Co., Ltd.	KOR
K-AC+ Plus	K Marine Chemical Co., Ltd.	KOR
K-AQUA CLEAN	K Marine Chemical Co., Ltd.	KOR
K-Cargo Clean	K Marine Chemical Co., Ltd.	KOR
KdB Teepol	Marine Care	NLD
KdB Totaal Ontvetter	Marine Care	NLD
K-Descaling	K Marine Chemical Co., Ltd.	KOR
K-High Clean	K Marine Chemical Co., Ltd.	KOR
K-Metal Clean	K Marine Chemical Co., Ltd.	KOR
K-Rust Remover	K Marine Chemical Co., Ltd.	KOR
KT-AIRFRESH	CHEMTEC Chemicals GmbH	DEU
KT-Alka	CHEMTEC Chemicals GmbH	DEU
KT-AlkaPlus	CHEMTEC Chemicals GmbH	DEU
KT-AlkaPure	CHEMTEC Chemicals GmbH	DEU
KT-AlkaSafe	CHEMTEC Chemicals GmbH	DEU
KT-Citric	CHEMTEC Chemicals GmbH	DEU
KT-Degreaser	CHEMTEC Chemicals GmbH	DEU
KT-EcoSoft	CHEMTEC Chemicals GmbH	DEU
KT-HCF	CHEMTEC Chemicals GmbH	DEU
KT-Metal	CHEMTEC Chemicals GmbH	DEU
KT-MetalBright	CHEMTEC Chemicals GmbH	DEU
KT-MSA	CHEMTEC Chemicals GmbH	DEU
KT-Neutral BG	CHEMTEC Chemicals GmbH	DEU
KT-PLUS	CHEMTEC Chemicals GmbH	DEU
KT-Plus BG	CHEMTEC Chemicals GmbH	DEU
KT-Pure	CHEMTEC Chemicals GmbH	DEU
KT-SeaClean	CHEMTEC Chemicals GmbH	DEU
KT-SMR	CHEMTEC Chemicals GmbH	DEU
KT-Soft	CHEMTEC Chemicals GmbH	DEU
KT-Solve	CHEMTEC Chemicals GmbH	DEU
KT-Teepol	CHEMTEC Chemicals GmbH	DEU
LAC	Drew Marine	USA
Latex Remover	Vecom Marine B.V.	NLD
Lighthouse Alkaline Plus	Lighthouse Maritime Services LLC	BEL
Lighthouse Citric	Lighthouse Maritime Services LLC	BEL
Lighthouse CS Bright	Lighthouse Maritime Services LLC	BEL
Lighthouse LTC Cleaner	Lighthouse Maritime Services LLC	BEL
Lighthouse MS-50	Lighthouse Maritime Services LLC	BEL
Lighthouse Powerwash	Lighthouse Maritime Services LLC	BEL
Lilleborg msgBooster	Lilleborg	NOR
Lilleborg msgBooster HCF	Lilleborg	NOR
Lilleborg msgBrightner	Lilleborg	NOR

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 11 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
Lilleborg msgCleaner	Lilleborg	NOR
Lilleborg Tank Cleaner	Lilleborg	NOR
Lilleborg TankBrightner	Lilleborg	NOR
Lilleborg TankDegreaser	Lilleborg	NOR
Lime Cleaner	MARICHEM MARIGASES Worldwide	GRC
LIME OUT	CHEMO SA	GRC
Liquid 35 NF	TriStar Industries BV	NLD
Liquid soap	Star Marine	NLD
LIQUID SOAP	MARICHEM MARIGASES WORLDWIDE SERVICES	GRC
MAC Alkid	MASTEC Co. Ltd	JPN
MAC Dual Clean	MASTEC Co. Ltd	JPN
MAC HC-10	MASTEC Co. Ltd	JPN
MAC HD	MASTEC Co. Ltd	JPN
MAC Prime	MASTEC Co. Ltd	JPN
MAC Safety Alkid	MASTEC Co. Ltd	JPN
MAC Susbright	MASTEC Co. Ltd	JPN
MAC-100	MASTEC Co. Ltd	JPN
Marclean AC	A Clean Partner Int. AB	SWE
Marclean AC+	A Clean Partner Int. AB	SWE
MarClean BioSolve Tank CC	The BioSolve Company	USA
Marclean CO - 1	Teco Chemicals AS	NOR
MarClean DA Special	TECO Chemicals AS	NOR
Marclean ECO	TECO Maritime Far East Pte Ltd	SGP
Marclean GREEN	TECO Maritime Far East Pte Ltd	SGP
Marclean H60	Teco Chemicals AS	NOR
Marclean H60+	A Clean Partner Int. AB	SWE
Marclean HC	TECO Chemicals AS	NOR
Marclean HCR	A Clean Partner Int. AB	SWE
Marclean MB (Metal Bright)	Teco Chemicals AS	NOR
Marclean MB40	A Clean Partner Int. AB	SWE
Marclean SC	Teco Chemicals AS	NOR
Marclean Soap	A Clean Partner Int. AB	SWE
Marclean Solve	A Clean Partner Int. AB	SWE
MarClean SSP	TECO Maritime Far East Pte Ltd	SGP
MarClean XP	A Clean Partner International AB	SWE
MARICHEM CR - LT	MARICHEM MARIGASES WORLDWIDE SERVICES	GRC
MARICHEM PCS	MARICHEM MARIGASES Worldwide	GRC
MARICHEM TTC	MARICHEM MARIGASES Worldwide	GRC
MARICLEAN - POL	MARICHEM MARIGASES Worldwide	GRC
MARICLEAN DG-25	Marichem Marigases Worldwide Services	GRC
MARICLEAN PCS	Marichem Marigases Worldwide Services	GRC
MARINE CARE (HD)	INFINITY ENTERPRISES, INC.	JPN
MARINE CARE (SB)	INFINITY ENTERPRISES, INC.	JPN
MARINE CARE (SC)	INFINITY ENTERPRISES, INC.	JPN
MARINE CLEAN (HD)	INFINITY ENTERPRISES, INC.	JPN
MARINE CLEAN (SB)	INFINITY ENTERPRISES, INC.	JPN
MARINE CLEAN (SC)	INFINITY ENTERPRISES, INC.	JPN

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 12 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
MARINE SAFE (HD)	INFINITY ENTERPRISES, INC.	JPN
MARINE SAFE (SB)	INFINITY ENTERPRISES, INC.	JPN
MARINE SAFE (SC)	INFINITY ENTERPRISES, INC.	JPN
MARISOL	UNIservice UNISAFE S.r.l.	ITA
MARISOL GD	A Clean Partner	SWE
MARISOL HD	A Clean Partner	SWE
MARISOL LC	A Clean Partner	SWE
MARISOL NC	A Clean Partner	SWE
MARISOL RW	A Clean Partner	SWE
MARISOL TC	A Clean Partner	SWE
MARISOL VT - PLUS	A Clean Partner	SWE
Masava Tank Cleaner	Masava Kemi ApS	DNK
Metal Brite HD	Wilhelmsen Chemicals AS	NOR
Metal Deruster	StarMarine Chemical BV	NLD
MITE	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
Multi Cleaner	Vecom Marine B.V.	NLD
Multicleaner	StarMarine Chemical BV	NLD
MULTICLEANER	Ertek Chemicals	TUR
NA marine	Henkel Belgium N.V.	BEL
Natural	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
Natural HCF	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
NAVACLEAN 801 - ALKATUFF	NAVADAN APS	DNK
NAVACLEAN 802 - ALKATUFF SOFT	Navadan ApS	DNK
NAVACLEAN 803 - ALKATUFF PHS	NAVADAN APS	DNK
NAVACLEAN 809 - TEEPOL PLUS	NAVADAN APS	DNK
NAVACLEAN 814 - DYESTUFF REMOVER	NAVADAN APS	DNK
NAVACLEAN 818 - COLDWASH	NAVADAN APS	DNK
NAVACLEAN 823 - BUFFERCLEANER 55	NAVADAN APS	DNK
NAVACLEAN 823 (CON) BUFFER CLEANER 55	NAVADAN APS	DNK
NAVACLEAN 842 - ALKASAFE	NAVADAN APS	DNK
NAVACLEAN 848 - NEUTRAL CLEANING CONCENTRATE	NAVADAN APS	DNK
NAVACLEAN 850 - WATERBASED NEUTRAL HCF	NAVADAN APS	DNK
NAVACLEAN 855 - HYDROCARBON REMOVER	NAVADAN APS	DNK
NAVACLEAN 856 - ECOCLEAN	NAVADAN APS	DNK
NAVACLEAN 860 - SEACLEAN GP	NAVADAN APS	DNK
NAVACLEAN 865 - CC BOOSTER	Navadan ApS	DNK
NAVACLEAN 873 - RUST & STAIN REMOVER	NAVADAN APS	DNK
NAVACLEAN 874 - RS BASIC	Navadan ApS	DNK
NAVACLEAN 888 - SEACLEAN	NAVADAN APS	DNK
NAVACLEAN 897 - IGS CLEANER	NAVADAN APS	DNK
NAVACLEAN 897 (CON) - IGS CLEANER	NAVADAN APS	DNK
Navaclean Stench Remover	Navadan APS	DNK
NAVACLOR 812	NAVADAN APS	DNK
NEUTRAL CLEANER	MARICHEM MARIGASES Worldwide	GRC
Neutral HCF	Star marine Chemicals B.V.	NLD
NEUTRAL HCF CLEANER	CHEMO SA	GRC
NEUTRAL MARINE HCF	CHEM MARINE	CHL

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 13 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
NEUTRAL POWER TC	ALPHA CHEMICAL PRODUCTS	GRC
NOHYCAS (hydro carbon cleaner)	For Frame	NLD
Novaclean 300 marine	Henkel Belgium N.V.	BEL
Novaclean 400 marine	Henkel Belgium N.V.	BEL
Novoclean 200 marine	Henkel Belgium N.V.	BEL
OCN - 01 Alkaline Cleaner	OCN Marine Chemicals	CHL
OCN - 02 Alkaline Safety	OCN Marine Chemicals	CHL
OCN - 03 Eco-Cleaner	OCN Marine Chemicals	CHL
OCN - 04 Maxpol	OCN Marine Chemicals	CHL
OCN - 05 Sea Clean (Tank Cleaner)	OCN Marine Chemicals	CHL
Oil & Sludge Remover	CHEMO	GRC
OIL AND GREASE REMOVER	Marichem Marigases Worldwide Services	GRC
OIL AND GREASE REMOVER HD 999	MARICHEM MARIGASES Worldwide	GRC
Oil Spill Dispersant Type 1	Vecom Marine B.V.	NLD
OTM-AL CLEANER	ONE-TOP MARINE Co. Ltd.	KOR
OTM-AL CLEANER PLUS	ONE-TOP MARINE Co. Ltd.	KOR
OTM-HCR CLEANER	ONE-TOP MARINE Co. Ltd.	KOR
OTM-MSC CLEANER	ONE-TOP MARINE Co. Ltd.	KOR
OTM-NEUTRAL CLEANER	ONE-TOP MARINE Co. Ltd.	KOR
OTM-NLS CLEANER	ONE-TOP MARINE Co. Ltd.	KOR
P3 - GRATOSOL	CP METAL CHEMICALS	NLD
P3 grato 14BNL	Henkel Belgium N.V.	BEL
POWER-KLEEN	ALPHA CHEMICAL PRODUCTS	GRC
PRE-WASH	EUROCHEM SA	GRC
Product Formula 3	Drew Marine	USA
Product Formula 4	Drew Marine	USA
Product Formula 5	Drew Marine	USA
Quick Split Cleaner	Vecom Marine B.V.	NLD
Ready	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
Redox Heavy Duty Cleaner	REDOX CHEMICAL PTE LTD	SGP
Redox Heavy Duty Tank Cleaner	REDOX CHEMICAL PTE LTD	SGP
Redox Metal Brightener	REDOX CHEMICAL PTE LTD	SGP
Redox Multi-Purpose Cleaner	REDOX CHEMICAL PTE LTD	SGP
Redox Oil Spill Dispersant & Tank Cleaning Additive	REDOX CHEMICAL PTE LTD	SGP
Redox Twiinstarr	REDOX CHEMICAL PTE LTD	SGP
Redox Water-Based Hydro-Carbon Free (HCF) Cleaner	REDOX CHEMICAL PTE LTD	SGP
Rem-25	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
Resin Stripper	Vecom Marine B.V.	NLD
ROX@CARE AC80SL ALKALI TANK & PIPE CLEANER	CALLINGTON HAVEN PTY LTD	AUS
ROX@CARE MC2600 TANK CLEANER	CALLINGTON HAVEN PTY LTD	AUS
RUST CLEAN	Blutec srl.	ITA
Rust Off	UNI Americas LLC	USA
Rust Remover	Vecom Marine B.V.	NLD
RUST REMOVER	Ertek Chemicals	TUR
SAFETY ALKALINE	ALPHA MARINE SOLUTIONS	USA
SAFETY DEGREASER	ALPHA MARINE SOLUTIONS	USA
SC-1000	Infinity Enterprises, Inc	JPN

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 14 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
Sea Clean Plus	Wilhelmsen Chemicals AS	NOR
SEA CLEANER WCI	World Clean International	PAN
Seaclean	UNI Americas LLC	USA
Seaclean	Unimarine International BV	NLD
SEACLEAN	UNIservice UNISAFE S.r.l	ITA
SEACLEAN T	Blutec srl.	ITA
Seaclean Voyage	Vecom Marine B.V.	NLD
SHIP 101 SEACLEAN	Shipdan Aps	DNK
SHIP 102 ALKALINE PHS	Shipdan Aps	DNK
SHIP 103 ALKALINE	Shipdan Aps	DNK
SHIP 105 HYDROCARBON REMOVER	Shipdan Aps	DNK
SHIP 106 TEEPOL	Shipdan Aps	DNK
SHIP 107 NEUTRAL CLEANING	Shipdan Aps	DNK
SHIP 108 SOOT REMOVER	Shipdan Aps	DNK
SHIP 109 SOLVENT	Shipdan Aps	DNK
SHIP 110 ALKALINE SAFETY	Shipdan Aps	DNK
SHIP 111 WATERBASED NEUTRAL HCF	Shipdan Aps	DNK
SHIP 114 BUFFER	Shipdan Aps	DNK
SM-80	KALON S.A. SMYTH MORRIS	ESP
SMART KLEEN	Chemax and Phypers Company Limited	THA
Sodium Hypochlorite	Wilhelmsen Chemicals AS	NOR
Sodium Hypochlorite 12.5% DM	Drew Marine	USA
SOLBREAK	MARICHEM MARIGASES Worldwide	GRC
Solvent Cleaner	Star Marine Chemicals BV	NLD
SPILL DISPERSANT MARINE	CHEM MARINE	CHL
Starmarine Caus	Star Marine Chemicals BV	NLD
StarMarine Concentrate	Star Marine Chemicals BV	NLD
Starmarine G-EB	Star Marine Chemicals BV	NLD
StarMarine Special	Star Marine Chemicals BV	NLD
Steam Cleaner 155	WVT Industries N. V.	BEL
Steamclean Extra	Vecom Marine B.V.	NLD
Steamer 130 HD	TriStar Industries BV	NLD
Steamer 140 HD	Tristar Industries BV	NLD
STSC CPPCLEAN	Eazychem Ltd	GBR
STSC DPPCLEAN	Eazychem Ltd	GBR
STSC DPPCLEAN ECO	Eazychem Ltd	GBR
STSC VEGCLEAN	Eazychem Ltd	GBR
Super Cleaner Y-SP 2	TriStar Industries BV	NLD
SUPER DEGREASER	CP METAL CHEMICALS	NLD
Super Red	CHEMO	GRC
Super Red Plus	CHEMO	GRC
SUPER TEEPOL	Diversey Co. Ltd.	JPN
T 1166 marine	Henkel Belgium N.V.	BEL
T 1166 marine (US)	Henkel Belgium N.V.	BEL
T 2060 Marine	Henkel Belgium N.V.	BEL
Tank & Bilge Cleaner	CHEMO	GRC
Tank Bright	Chemax and Phypers Company Limited	THA

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.28
Annex 10
1 December 2022
Page 15 of 17

Name of cleaning additive	Name of manufacturer	Reporting country
Tank Clean Alkaline	Vecom Marine B.V.	NLD
Tank Clean Alkaline Extra	Vecom Marine B.V.	NLD
Tank Clean Buffer	Vecom Marine B.V.	NLD
TANK CLEAN MARINE	CHEM MARINE	CHL
TANK CLEANER	Ertek Chemicals	TUR
Tank Cleaner A	Marichem Marigases Worldwide Services	GRC
TANK CLEANER EXTRA	Ertek Chemicals	TUR
TANK CLEANER S	MARICHEM MARIGASES Worldwide	GRC
Tank Cleaning Cat	WVT Industries N. V.	BEL
Tank Green	Chemax and Phypers Company Limited	THA
Tank Shine	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
TANK SHINE CLEANER	MARICHEM MARIGASES WORLDWIDE SERVICES	GRC
Tank Super Cleaner	CHEMO	GRC
TANK TREAT ALK	MAT MARITIME	TUR
TANK TREAT SAFE ALK	MAT MARITIME	TUR
TANK WASH	EUROCHEM SA	GRC
TANK WASH-S	EUROCHEM SA	GRC
Tankclean HCF Eco	Vecom Marine B.V.	NLD
Tankclean HD Split	Vecom Marine B.V.	NLD
Tankclean Neutral	Vecom Marine B.V.	NLD
TankCleaner	Star Marine Chemicals BV	NLD
TANKCLEANER 9M	UNI Americas LLC	USA
TANKCLEANER P75	UNI Americas LLC	USA
Tankleen Advance	Wilhelmsen Chemicals AS	NOR
Tankleen Bright	Wilhelmsen Chemicals AS	NOR
TANKLEEN IGS	ALPHA CHEMICAL PRODUCTS	GRC
TANKLEEN SWIFT	Wilhelmsen Chemicals AS	NOR
TANKLEEN TAR	Wilhelmsen Chemicals AS	NOR
TANKSHINE	CHEMO	GRC
TC-01 - Heavy Duty Alkaline Tank Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-02 - Non-Caustic Alkaline Tank Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-03 - Non-Toxic, Water-Based Safety Alkaline Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-04 - Heavy Duty Concentrated Tank Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-05 - Solvent Based Tank Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-06 - Heavy Duty Water Based Hydrocarbon Free	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-07 - Water-Based Neutral Tank Cleaning Detergent	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-10 - Rust and Oxidation Remover for NLS Cargo Tank cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-ACID	G&E Bridge Ltd	KOR
TC-ALK	CEMKIMSAN KIMYA SAN.TIC.LTD.STI	TUR
TC-BC	G&E Bridge Ltd	KOR
TC-ENVIRO	G&E Bridge Ltd	KOR
TC-HD	G&E Bridge Ltd	KOR
TC-NEUTRAL	G&E Bridge Ltd	KOR
TC-PCT	G&E Bridge Ltd	KOR
TCS-3	New Shin Young Co., Ltd.	KOR
TCS-3 PLUS	New Shin Young Co., Ltd.	KOR
TCS-3T	New Shin Young Co., Ltd.	KOR

CARGO TANK CLEANING ADDITIVES

Name of cleaning additive	Name of manufacturer	Reporting country
TCS-5	New Shin Young Co., Ltd.	KOR
TC-SOL	CEMKIMSAN KIMYA SAN. TIC.LTD.STI	TUR
TCS-PARA	New Shin Young Co., Ltd.	KOR
TCS-RSR	New Shin Young Co., Ltd.	KOR
TCS-SCMR	New Shin Young Co., Ltd.	KOR
TC-WAT	CEMKIMSAN KIMYA SAN. TIC.LTD.STI	TUR
TC-WRC	G&E Bridge Ltd	KOR
Teco Caustic	Teco Chemicals AS	NOR
TECO CHLOR	Teco Chemicals AS	NOR
Teco Potassium (Potassium Hydroxide)	Teco Chemicals AS	NOR
Teepol	Star Marine	NLD
TEEPOL EIGHT	Diversey Co. Ltd.	JPN
TEEPOL MARINE	CHEM MARINE	CHL
TRIOALK-212	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
TRIOALK-212/EXTRA	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
TRIOBREAK-196	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
TRIOTANK	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
TRIOTANK/R	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
TS-200	SETTSU OIL MILL, INC.	JPN
TS-300	SETTSU OIL MILL, INC.	JPN
TS-310	SETTSU OIL MILL, INC.	JPN
UE-ALKALINE	UNIVERSAL ECO CHEMICAL	KOR
UE-NEUTRAL	UNIVERSAL ECO CHEMICAL	KOR
UE-RSR	UNIVERSAL ECO CHEMICAL	KOR
ULTRA CLEAN	ALPHA MARINE SOLUTIONS	USA
Uni Green	Chemax and Phypers Company Limited	THA
UNI PARACLEAN	UNI Americas LLC	USA
Uniclean Break	Unimarine International BV	NLD
UNICLEAN DRASTIC	UNIservice UNISAFE S.r.l.	ITA
Uniclean Eco	Unimarine International BV – Eflochem	NLD
UNICLEAN GP	UNIservice UNISAFE S.r.l.	ITA
Uniclean GP Extra	Unimarine International BV	NLD
Uniclean HCF Eco	Unimarine International BV	NLD
Uniclean HD	UNI Americas LLC	USA
Uniclean IG	UNI Americas LLC	USA
Uniclean Resin Remover	Unimarine International BV	NLD
Uniclean Rust Remover	Unimarine International BV	NLD
Uniclean Steam Cleaner	Unimarine International BV	NLD
Uniclean Tank / Separating	Unimarine International BV	NLD
Unipol	Wilhelmsen Chemicals AS	NOR
UNITEDCHEM-ALC	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-ALC/PLUS	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-AQUA	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-CONCENTRATE	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-CTR	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-HCF	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-MPD	TIRIO KIMYA SAN.TIC.LTD.STI	TUR

CARGO TANK CLEANING ADDITIVES**MEPC.2/Circ.28
Annex 10
1 December 2022
Page 17 of 17**

Name of cleaning additive	Name of manufacturer	Reporting country
UNITEDCHEM-RUST	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-SAFE	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-SAFE/PLUS	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-TANK	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-TANK/PLUS	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
Veclean Blue	Vecom Marine B.V.	NLD
Veclean Eco Acid	Vecom Marine B.V.	NLD
WAX FREE	Chemax and Phypers Company Limited	THA
WB Neutral HCF	UNI Americas LLC	USA
Zinc Coat Conditioner	Wilhelmsen Chemicals AS	NOR

ANNEX 11

Biofuels recognized under the 2019 Guidelines for the carriage of blends of biofuels and MARPOL Annex I cargoes

The following have been agreed as recognized bio-fuels in accordance with the *2019 Guidelines for the carriage of blends of biofuels and MARPOL Annex I cargoes* (MSC-MEPC.2/Circ.17):

- .1 tert-Amyl ethyl ether*
- .2 Ethyl alcohol
- .3 Fatty acid methyl esters (FAME) † (m)
- .4 Vegetable fatty acid distillates (m)

* With regard to the shipment of blends of petroleum oil and tert-Amyl ethyl ether under MARPOL Annex II controls, it is necessary to initiate or refer to tripartite agreements for such blends indicating the carriage requirements as appropriate.

† This entry is intended to include any specific FAMES set out in chapter 17 of the IBC Code or the MEPC.2/Circular.

ANNEX 12

ENERGY-RICH FUELS SUBJECT TO ANNEX I OF MARPOL

The following have been agreed as recognized energy-rich fuels in accordance with the *Guidelines for the carriage of energy-rich fuels and their blends* (MEPC.1/Circ.879):

- .1 Alkanes (C4-C12) linear, branched and cyclic (containing benzene up to 1%)
 - .2 Alkanes (C5-C7), linear and branched
 - .3 Alkanes (C9-C24) linear, branched and cyclic with a flashpoint $\leq 60^{\circ}\text{C}$
 - .4 Alkanes (C9-C24) linear, branched and cyclic with a flashpoint $> 60^{\circ}\text{C}$
 - .5 Alkanes (C10-C17), linear and branched
 - .6 Alkanes (C10-C26), linear and branched with a flashpoint $\leq 60^{\circ}\text{C}$
 - .7 Alkanes (C10-C26), linear and branched with a flashpoint $> 60^{\circ}\text{C}$
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