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CCS 通函

Circular

中国船级社
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发：总部各有关业务处室、各审图中心、各分社（办事处）、船厂、船东、设计院
To relevant business departments of CCS Headquarters, plan approval centers, branches (offices), shipyards, ship owners, design units

关于修订《散装运输危险化学品船舶构造与设备规范》货物一览表的通知

Notice on Revision of Summary of Minimum Requirements from Rules for Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

一、说明

1. Introduction

IMO 于近期发布了名为“ 液体物质临时分类” 的通函 MEPC.2/Circ.16（见附件 1）。该通函 List 1 中适用于所有国家且无失效日期的那些货品要求，是对《国际散装运输危险化学品船舶构造与设备规则》（简称 IBC 规则）第 17 章最低要求一览表和第 18 章不适用该规则的货品清单的补充和修订。并以此通函替代以前的 MEPC.2/Cirular 系列通函。

MEPC.2/Circ.16 on Provisional Categorization of Liquid Substances was issued by IMO recently, as set out in Annex 1. In the circular, entries of List 1 having “all countries/no expiry date” provide supplements and revisions of Chapter 17 “Summary of minimum requirements” and Chapter 18 “List of products to which the Code does not apply” of the International Code for the Construction and Equipment of Ships Carrying Dangerous

Chemicals in Bulk (abbreviated as IBC code). The circular replace all previously issued circulars under this title.

为方便该通函的实施，在我社《散装运输危险化学品船舶构造与设备规范》2009（以下简称散化规范）基础上，将该通函对散化规范第 17 章及第 18 章中的增加和修改内容进行了汇总，具体见附件 2。

In order to facilitate implementation of the circular, the supplements and changes of Chapters 17 & 18 of IBC code presented in the circular are, based on CCS Rules for Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk, 2009, summarized and tabulated in Annex 2.

二、注意事项

2. Notice and inspection requirements

此次修订涉及4种货品的装运要求，具体见附件2。请相关化学品船公司注意在装运这些货品时，应按照修订后的要求进行，并及时修订船上的相关文件内容（如：货物操作手册）。

The revision this time covers 4 products (see Annex 2). Chemical tanker companies are hereby requested to follow the revised requirements when loading such entries and timely update relevant documentation on board (e.g. Cargo loading manual).

在本通函发布之日起，涉及危险品适装证书的任何一次检验，验船师应确认船上危险品适装证书附带的货品清单中是否包含此次进行了修订的货品，如包含了此类货品，应核查船舶是否满足经修订的适装要求。若不能满足修订的要求，则应在货品清单中删除该货品，货品技术要求的变化情况见本通函附件2中的修订的货品清单。对此，我社将给出备忘，请验船师遵照执行。

For each inspection referred to Certificate of Fitness for the carriage of dangerous chemicals, surveyors should check, since the issuing date of this notice, whether the already issued product list includes those products for which carriage requirements have been revised as mentioned above. If it includes, a recheck is to be carried out to confirm its compliance with the revised carriage requirements. If such compliance is not possible, the product in concern is to be deleted from the product list. For change details of

requirement, please refer to Annex 2 of this notice. CCS will provide a memorandum hereof by which surveyors are requested to follow.

如现有化学品船希望运输通函中的新增货品，请向我社审图中心提交新增货品的申请，我社现场检验单位将依据审批意见换发货品清单。

If an existing chemical tanker is intended to carry products newly added in the circular, an application for new products is to be submitted to CCS plan approval center for approval, and new product list will be issued by CCS local survey branches based on approval opinions.

对于在建船舶或正在重大改建的化学品船舶,现场验船师应注意核实审图中心审批的货品清单，如果审批的货品清中涉及本通函修改或新增的货品，应要求将货品清单再次送审图中心重新审批，并在检验满意后签发满足本通函要求的化学品适装证书和货品清单。

For newbuilding chemical tanker under construction or chemical tanker under major conversion, CCS field surveyor will pay an attention to check list of chemical products which already approved by CCS plan approval center. If the approved list of chemical products concerns modified or added chemicals in this Circular, it will be requested to again be submitted to CCS plan approval center for re-approval, both International Certificate of Fitness for the carriage of dangerous chemicals in bulk and list of products which comply with the requirements of this Circular will be issued after satisfactory completion of the relevant field surveys.

本通函于发布之日实施。

This circular should be implemented from the date on which it is issued.

三、其他提示

3. Notes

本通函在本社网站(www.ccs.org.cn) 上发布，请本社执行检验单位和审图中心通知所辖区域的船厂、船用产品厂、船东和船舶设计单位。

本通函在实施过程中如有任何疑问,请与我社技术管理处联系。电子邮件: rt@ccs.org.cn

This Circular is available on www.ccs.org.cn and should be forwarded by each branch and plan approval center to relevant shipyards, product manufacturers, ship owners and designers within its business area.

Please feel free to contact Technical Management Department of CCS for any inquiry. E-mail：rt@ccs.org.cn

附件 1　MEPC2/Circular 16　液体物质临时分类

Annex 1 MEPC2/Circular 16 Provisional Categorization of Liquid Substances

附件 2　对散化规范（2009）第 17 章和第 18 章的修订位置及修订内容列表

Annex 2 Tabulated Revision Positions and Contents to Chapters 17 & 18 of CCS Rules for Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk, 2009

附件 1

环保会 MEPC.2/Circ.16 通函
（2010 年 12 月 17 日）

液体物质临时分类

1 引言

1.1 本通函按 MARPOL 附则 II 第 6.3 条颁发，替代在本标题下以前颁发的所有通函。

2 附件清单

2.1 附件 1 至 4 提供了相关的有毒液体物质（NLS）分类和最低载运要求的清单，该清单按三方协议制定并已按上述规定在秘书处进行登记。附件 5 至 8 旨在便于对三方协议的报告和附件 1 至 4 所用缩写的解释。

附件 1　清单 1：纯净物或者技术上作为纯净物的货品；
附件 2　清单 2：至少 99%（按重量计）的成分已经过 IMO 评估的仅具有污染危害性的混合物；
附件 3　清单 3：至少 99%（按重量计）的成分已经过 IMO 评估的造成安全危害的混合物（贸易名称）；
附件 4：清单 4：含有一种或多种成分的仅具有污染危害性的混合物，混合物中超过 1%（按重量计）的成分未经过 IMO 评估；
附件 5：清单 5：不以纯净物而是作为混合物成分进行运输的物质；
附件 6：植物油的同义词；
附件 7：国名缩写；
附件 8：三方联系地址；
附件9：经授权可通过计算进行污染物评估的厂商；和
附件 10：清洁添加剂。

3 有关附件的说明

3.1 语言

3.1.1 如清单所示，大部分货品是无另行说明（n.o.s.）条目下的以贸易名称出现的物质。由于贸易名称未翻译，这些货品按接到的通知予以纳入，且清单仅用英文发布。

3.2 阴影部分

3.2.1 针对上一通函而对货物清单所做的**修正**（附件 1 至 5）内容用阴影部分表示。

3.3 清单 1：纯净物或者技术上作为纯净物的货物（附件 1）

3.3.1 本通函中保留的清单 1 的条目包括下列要素：

- 所有显示到期日的三方协议条目（包括去年收到的新通知）；
- 显示为“所有国家/无到期日”的条目，这些条目是在IBC规则2009修正案通过之后完成的，或是已列入IBC 规则修正案但已同意将这些修改反应在List 1清单中。

3.3.2 对于标记(*)的货品，这表示根据 IBC 规则 第 21 章（21.1.3），用于某些载运要求的常规评定标准在实施评估时略有不同。目前这仅适用于氯化铵溶液（小于 25%），甲酸铯溶液和溴化钠溶液（小于 50%）。

3.4 清单 2 和清单 4：至少 99%（按重量计）的成分已经过 IMO 评估的仅具有污染危害性的混合物（附件 2）和含有一种或多种成分的仅具有污染危害性的混合物，混合物中超

过 1%（按重量计）的成分未经过 IMO 评估（附件 4）

3.4.1 对于清单 2 和 4，应注意 MEPC.2/Circ.15 通函所示条目相关的大量货品已被删除。其原因为被重新划分入清单 3（由于发现了新的安全担忧）或基于装运考虑决定撤销。

3.5 国家和地区代号（附件 7）

3.5.1 国家和地区缩写清单对照全球综合航运信息系统（GISIS）中所使用的缩写，该系统基于 UN/Locade，是由作为联合国的一个机构的联合国欧洲经济委员会（UNECE）开发和维护的一种地理代码体系。这些代号列于附件 7：附件的第 1 部分为按代号顺序排列的条目，第 2 部分为按国家/地区顺序排列的条目。

3.6 清洁添加剂（附件 10）

3.6.1 MARPOL 附则II关于排放有毒液体物质的规定包括下述允许用以清洗液货舱清洁添加剂型号的限制：

“13.5.2 如果为了方便货舱清洗而在水中加入少量清洁添加剂（洗涤产品），则含A类污染成分的添加剂不得使用，除非这些防污成分有生物降解功能，并所现总浓度不超过清洁添加剂的 10%。清洁添加剂除了前载货物的原因而适用于货舱外，没有其他使用限制。”

3.6.2 由化学品污染危害和安全评估（ESPH）BLG工作小组评估并认为满足MARPOL附则II 13.5.2要求的所有清洁添加剂纳入MEPC.2/Circ.附件10。

3.6.3 根据海上环境保护委员会在其56届会议上做出的决定，在2007年1月1日之前提交的并经MEPC/Circ.363通函评估的液货舱清洁添加剂已于2010年8月1日终止有效。现仍列于清单的该类货品，其相关清洁添加剂已按照MEPC.1/Circ.590通函中经修订的指南重新评估。

3.6.4 因此，附件 10 所列的满足MARPOL附则II 13.5.2 要求的所有液货舱清洁添加剂已按 MEPC.1/Circ.590 通函进行了评估。

3.6.5 为便于今后与可能要求的任何添加剂厂商进行联络，附件 10 的所有货品条目现都包括一份主管机关代表厂商提交清洁添加剂的记录。

4 新条目的通知

4.1 散装运输液体临时评估指南见MEPC.1/Circ.512 通函所载。主管机关在把根据三方协议进行的任何临时评估通知秘书处时，应：

.1 具体说明列入清单 1、2、3 还是 4 中；和

.2 提供所有相关数据以纳入通函。

4.2 由于所通知的大部分货品是按计算方法分类并作为清单 2 候选条目，因此采用一种便于有效和精确传输到生成本通函所列各种清单的数据库的格式向IMO提供该信息尤为重要。

4.3 对于包含清单 2 候选项的打印文本，最好的方法是按下列格式每页通知一种货品：

报告国		：
制造厂		：
贸易名称		：
清单编号		：
含有　名称		：
污染类别	(Cat)	：
船型	(ST)	：
n.o.s.编号		：
熔点(℃)	(Mpt)	：

闪点(c.c., ℃) (Fpt) ：

在 20℃时的粘度(mPa.s) (V_{20}) ：

注：不完备的物质数据将导致延迟提交，申请将退回申请者进一步审议。

4.4 对于通知为清单 1、3 或 4 的侯选货品，最好使用MEPC.1/Circ.512 通函附录 3 所示的格式。

4.5 在强调向秘书处提供正确数据的重要性的同时，应特别注意，当建议将某一货品列入清单 2 和 4 时，对于会造成最大潜在污染的成分应在运输名称内的“含有”一词后列明。这种成分应为按% x成分系数计算值的最高者。如果有多于一种成分的计算值同等最高，可以斟酌决定是列明其中一种还是全部（见MEPC.1/Circ.512 通函）。用于该成分的名称应是在IBC规则第 17 或 18 章或本通函清单 1 或 5 出现的名称之一。

4.6 还应指出的是对于需要散装运输的任何货物，应在运输文件上标明该货物名称。此名称应是其在IBC规则第 17、18 章中或MEPC.2/Circular最新版本中所用的名称或是临时评估时采用的名称。对此，应特别注意BLG.1/Circ.17 通函 “装运散装液体货物时使用适当的运输名称”以及BLG.1/Circ.25 通函“在具体货品名称和通用条目均可描述散装液体货物的情况下，最好使用具体货品名称”。

4.7 如果装运仅具有污染危害性的混合物，IBC 规则中相应的 n.o.s.条目连同贸易名称及“货品含有”信息将形成适当的运输名称。例如，如贸易名称是 IMO1234，其包含“长链烷基水杨酸钙（C13+）”作为有最大的潜在污染的成分，则正确的货品名称应是：

有毒液体，N.F.，(5) n.o.s（IMO1234 含有长链烷基水杨酸钙（C13+）），船型 2，污染类别 Y

4.8 然后核准载运 n.o.s.(5)货品的 2 型船舶的船长就会知道，他能够接受该货物而不必担心火灾、毒性和其它安全危害，如果发生意外溢漏，船长可向沿海国家当局报告造成污染的物质名称。

5 三方联系地址

5.1 根据MEPC关于三方协议的MEPC.109(49)决议，要求主管机关注意，尚未通知本组织其**最新**联系方式的联络点应被视为已接受三方协议，其他联络点仍应遵守MARPOL附则II第 6.3 条的规定。

5.2 如果各主管机关能核实本通函附件 8 中包括的信息是正确的并提供任何有用的附加信息，如电子邮件地址，将不胜感激。由于秘书处仅获得了所列的地址，因此要求那些还未提供任何确切地址的主管机关按上述要求提供。对此，应注意现可通过GISIS数据库得到三方协议联络点的信息，相关主管机关可直接进行任何需要的修改。

附件 1

三方协议

清单 1：纯净物或者技术上作为纯净物的货品

货品名称	报告国	国家	接收日	到期日	污染类别	D	船型	F	G	H	I'	I"	I"'	J	K	L	N	O
醇类（C12-C13，支链和直链）聚-（4-8）丙氧基硫化物，25-30%钠盐溶液 Alcohol (C12-C13, branched and linear) poly-(4-8) propoxy sulfates, sodium salt 25-30% solution	DEU	BHS, CAN, CYM, GBR, ITA, LBR, MYS, NLD, NOR, PAN, SGP, USA	01/10/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
乙醇（C12+），基本的，直链 Alcohols (C12+), primary, linear		所有国家		无	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
烷烃(C10-C26)，直链或含支链 Alkanes(C10-C26), linear and branched		所有国家		无	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
烷烯基酸，多羟基硼酸酯 Alkenoic acid, polyhydroxy ester borated		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
烷基（C12-C16）乙氧基丙基羟基胺 Alkyl(C12-C16) propoxyamine ethoxylate		所有国家		无	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6
烷基（C18＋）甲苯 Alkyl (C18+) toluenes		所有国家		无	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9
烷基甲基苯磺酸（在矿物油中） Alkyltoluenesulfonic acid (in mineral oil)	FRA	BHS, CYM, GBR,HKG, JPN, LBR,NOR, PAN, PHL, SGP, USA	21/09/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.11.1, 15.11.2, 15.11.3, 15.11.4,15.11.6, 15.11.7, 15.11.8, 15.12, 15.17, 15.19, 16.2.6, 16.2.9
烷基（C18-C28）甲基苯磺酸，钙盐（在矿物油中<70%） Alkyl(C18-C28)toluenesulfonic acid, calcium salts, borated (<70% in mineral oil)	USA	AUS, BHS, CHN, CYM, DZA, FRA, GBR, GRC, HKG, JPN, LBR, MHL, NLD, NOR, PAN, PHL, SGP, TUR, VCT, VUT, ZAF	15/07/09	17/12/12	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
烷基（C18-C28）甲基苯磺酸，钙盐，低盐度 Alkyl (C18-C28) toluenesulfonic acid, calcium salts, low overbase		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6

货品名称	报告国	国家	接收日	到期日	污染类别	D	船型	F	G	H	I'	I"	I"'	J	K	L	N	O
烷基（C18-C28）甲基苯磺酸，钙盐，高盐度 Alkyl (18-C28) toluenesulphonic acid, calcium salts, high overbase		所有国家		无	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
氯化铵溶液（小于25%）(*) Ammonium chloride solution (less than 25%) (*)		所有国家		无	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	
叔戊醇乙基醚 （TAEE） tert-Amyl ethyl ether (TAEE)	FIN	DNK, NOR, SWE	05/02/09	17/12/12	X	S/P	2	2G	Cont	No	T3	IIB	No	R	FT	A	No	15.12.3, 15.12.4, 15.19.6
烷芳基硫磺钙（C11-C50） Calcium alkaryl sulphonate (C11-C50)		所有国家		无	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
烷基（C10-C28）水杨酸钙 Calcium alkyl (C10-C28) salicylate		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
长链烷基酚盐硫化物钙（C8-C40） Calcium long-chain alkyl phenate sulphide (C8-C40)		所有国家		无	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
长链烷基（C18-C28）水杨酸钙 Calcium long-chain alkyl (C18-C28) salicylate		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
漆树果壳油（未处理） Cashew nut shell oil (untreated)		所有国家		无	Y	S/P	2	2G	Cont	No			Yes	R	T	AB	No	15.19.6, 16.2.6, 16.2.9
甲酸铯溶液(*) Cesium formate solution (*)		所有国家		无	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6
榛子原油 Crude Hazelnut Oil	TUR	ITA	04/08/10	17/12/13	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
癸醇/十二(烷)基醇/十四(烷)基醇混合物 Decyl/Dodecyl/Tetradecyl alcohol mixture		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
二烃基（C9-C10）邻苯二甲酸酯 Dialkyl (C9 - C10) phthalates		所有国家		无	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
二烃基硫代亚磷酸钠盐溶液 Dialkyl thiophosphates sodium salts solution		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
苯二甲酸二丁酯 Dibutyl Terephthalate	USA	BHS, CYM, HKG,LBR, MHL, NLD,NOR, PAN, SGP, VUT	03/06/08	17/12/11	X	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
双环戊二烯，树脂级, 81-89% Dicyclopentadiene, Resin Grade, 81-89%		所有国家		无	Y	S/P	2	2G	Cont	Inert	T2	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.19

货品名称	报告国	国家	接收日	到期日	污染类别	D	船型	F	G	H	I'	I"	I"'	J	K	L	N	O
二-（2-乙基已基）对苯二酸盐 Di- (2-ethylhexyl) terephthalate	USA	ARE, ARG, AUS, BEL,BHS, BRA, CHN,CYM, CYP, DEU,EGY, FRA, GBR,GRC, HKG, IND, ITA,JPN, KOR, KWT,LBR, MHL, MYS,NLD, NOR, PAN,PHL, SAU, SGP,SWE, TUR,VCT, VUT	19/03/10	17/12/13	X	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
甲基丙烯酸十二烷酯/十八烷酯(混合物) Dodecyl/Octadecyl methacrylate mixture		所有国家		无	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.13, 15.19.6, 16.2.6, 16.6.1, 16.6.2
乙氧基化牛油脂肪胺（>95%） Ethoxylated tallow amine (> 95%)		所有国家		无	X	S/P	2	2G	Cont	Inert	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
脂肪酸,（C8-C10） Fatty acids, (C8-C10)		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9
脂肪酸,（C12+） Fatty acids, (C12+)		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
甲酸混合物（含不超过 18%丙酸和不超过 25%甲酸钠） Formic acid mixture (containing up to 18% propionic acid and up to 25% sodium formate)		所有国家		无	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T(g)	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.12.4,15.19.6
甘油乙氧基酯 Glycerol ethoxylated		所有国家		无	OS		NA											
葡萄籽油 Grape Seed Oil	ARG	FRA,MLT	23/04/09	17/12/12	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
麻风树油 Jatropha oil		所有国家		无	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
木素硫磺酸，镁盐溶液 Ligninsulphonic acid, magnesium salt olution		所有国家		无	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
N-甲基苯胺 N-Methylaniline		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
α-甲基苄醇含苯乙酮（15%或以下） alpha-Methylbenzyl alcohol with cetophenone (15% or less)		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9

货品名称	报告国	国家	接收日	到期日	污染类别	D	船型	F	G	H	I'	I"	I"'	J	K	L	N	O
甲基环已胺醇（粗制） Methylcyclohexanemethanol (crude)	USA	AUS, CYM, GBR, BR, SGP	11/05/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
甲基 3-（3,5 二-三-丁基-4-羟苯基）丙氧酸粗制熔融物 Methyl 3-(3,5 di-tert-butyl-4-hydroxyphenyl)propionate crude melt	SGP	BEL, CHN, HKG, ITA,LBR, NLD, NOR,PAN, USA	23/07/10	17/12/13	Y	P	2	2G	Open	No	T2	IIA	Yes	O	No	ABC	No	15.19.6, 16.2.9
2-甲基戊二腈含 2-乙基丁二腈（12%或以下） 2-Methylglutaronitrile with 2-Ethylsuccinonitrile (12% or less)		所有国家		无	Z	S	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
微硅粉泥浆 Microsilica slurry		所有国家		无	OS		NA											
壬基苯酚（48-62%）/苯酚（42-48%）二壬基苯酚（1-10%）混合物 Nonylphenol (48-62%)/Phenol (42-48%)/Dinonylphenol (1-10%) mixture	USA	BHS, CYM, GBR, IND,LBR, MHL, NOR,PAN, SGP, VUT	10/03/08	17/12/11	X	S/P	1	2G	Cont	No	T1	-	Yes	C	No	BC	Yes	15.12.3, 15.17, 15.19, 16.2.6, 16.2.9
八甲基三四硅氧烷 Octamethylcyclotetrasiloxane	USA	BEL, BHS, CYM,DNK, GBR, JPN,KOR, LBR, MHL,NLD, NOR, PAN,PHL, VCT	02/05/08	17/12/11	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6, 16.2.9
辛醛 Octyl aldehydes		所有国家		无	Y	P	2	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.9
石蜡混合物（C7-C9）富含C8，稳定的 Olefin Mixture (C7-C9) C8 rich, stabilised		所有国家		无	X	S/P	2	2G	Cont	No	T3	IIB	No	R	F	ABC	No	15.13, 15.19.6
橙汁（浓缩型） Orange juice (concentrated)		所有国家		无	OS		NA											
橙汁（非浓缩型） Orange juice (not concentrated)		所有国家		无	OS		NA											
棕榈仁脂肪酸蒸馏物 Palm kernel fatty acid distillate		所有国家		无	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.19.6, 16.2.6, 16.2.9
1, 3－戊二烯 1,3-Pentadiene		所有国家		无	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3
1, 3－戊二烯（大于 50%），环戊烯及其异构体的混合物 1,3-Pentadiene (greater than 50%),cyclopentene		所有国家		无	Y	S/P	2	2G	Cont	Inert	T3	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.19

货品名称	报告国	国家	接收日	到期日	污染类别	D	船型	F	G	H	I'	I"	I"'	J	K	L	N	O
and isomers, mixtures																		
哌嗪（70%或以下） Piperazine (70% or less)	USA	ARE, BEL, CHN, CYM, CYP, GBR, GRC, HKG, IND, JPN, LBR, MHL, MLT, NLD, NOR, PAN, RUS, SGP	16/11/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
二甲苯中聚烷烯烃琥珀酰亚胺,氧(代)硫化钼 Polyalkylalkenaminesuccinimide, molybdenum oxysulphide		所有国家		无	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
聚（乙二醇）甲基丁烯基醚（分子量>1000） Poly(ethylene glycol) methylbutenyl ether (MW>1000)		所有国家		无	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9
聚烯酰多羟基胺烯胺 Polyolefin amide alkeneamine polyol		所有国家		无	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
氯化钾溶液（小于26%） Potassium chloride solution (less than 26%)		所有国家		无	OS		NA											
碳酸氢钠溶液（小于10%） Sodium bicarbonate solution (less than 10%)		所有国家		无	OS		NA											
溴化钠溶液（50%以下）(*) Sodium bromide solution (less than 50%) (*)		所有国家		无	Y	S/P	3	2G	Open	No	-	-	NF	R	No	No	No	15.19.6
含甲基钠溶液 21-30%的甲醇 Sodium Methylate Solution 21-30% in Methanol	DEU	ARG, AUS, BEL, BHS,BRA, CAN, CYM, ESP, FRA, GBR, HKG, IDN, JPN, LBR, MHL, MYS, NLD, NOR, PAN, PER, PHL, PRT, SGP, THA, USA, ZAF	05/09/08	17/12/11	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	A	Yes	15.12, 15.17, 15.19
木质素含乙酸钠/草酸钠 Wood lignin with sodium acetate/oxalate		所有国家		无	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	

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MEPC.2/Circ.16
17 December 2010

PROVISIONAL CATEGORIZATION OF LIQUID SUBSTANCES

1 Introduction

1.1 This circular is issued in accordance with regulation 6.3 of MARPOL Annex II, replacing all previously issued circulars under this title.

2 Lists of annexes

2.1 Annexes 1 to 4 provide lists of noxious liquid substances (NLS) with associated categories and minimum carriage requirements which have been established through Tripartite Agreements and registered with the Secretariat in accordance with the regulation referred to above. Annexes 5 to 8 are intended to facilitate the reporting of Tripartite Agreements and the interpretation of abbreviations used in annexes 1 to 4.

annex 1: List 1: Pure or technically pure products;

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

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

annex 4: 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;

annex 5: List 5: Substances not shipped in pure form but as components in mixtures;

annex 6: Synonyms for vegetable oils;

annex 7: Country abbreviations;

annex 8: Tripartite contact addresses;

annex 9: Manufacturers authorized to conduct pollutant-only assessments by calculation; and

annex 10: Cleaning additives.

3 Observations related to the annexes

3.1 Language

3.1.1 As seen in the lists, most products are trade-named substances under n.o.s. entries. Since trade-names are not translated, the products are entered as notified and the lists are issued in English only.

3.2 Shading

3.2.1 **Amendments** made to the Product Lists (annexes 1 to 5) relative to the previous circular are identified by shading in the field in which a change has been made.

3.3 List 1: Pure or technically pure products (annex 1)

3.3.1 List 1 entries retained for this circular comprise of the following elements:

- all tripartite entries showing an expiry date (including new notifications received throughout the past year; and

- entries having "all countries/no expiry date" but which were either finalized after adoption of the 2009 amendments to the IBC Code or were included in the 2009 amendments of the IBC Code but for which changes have subsequently been agreed as reflected in their List 1 profiles.

3.3.2 For **products marked (*)**, this indicates that with reference to chapter 21 of the IBC Code (paragraph 21.1.3), deviations from the normal assignment criteria used for some carriage requirements have been implemented. Currently, this is applicable only to Ammonium chloride solution (less than 25%), Cesium formate solution and Sodium bromide solution (less than 50%).

3.4 List 2 and List 4: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO (annex 2) and 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 (annex 4)

3.4.1 For Lists 2 and 4, it should be noted that a number of products have been deleted relative to the entries shown in MEPC.2/Circ.15 based on either a reassignment of these products to List 3 (having identified new safety concerns) or a decision to withdraw these products for shipment purposes.

3.5 Country and Territory Codes (annex 7)

3.5.1 The list of country and territory abbreviations mirrors that used in the Global Integrated Shipping Information System (GISIS), which is based on the UN/Locode, a geographic code scheme, developed and maintained by the UNECE, a Unit of the United Nations. These codes are listed in annex 7: Part 1 of the annex presents entries by Code order whilst Part 2 gives a listing by Country/Territory order.

3.6 **Cleaning additives (annex 10)**

3.6.1 MARPOL Annex II regulations for the discharge of Noxious Liquid Substances, include restrictions on the types of cleaning additives allowed to be used in tank washing operations as follows:

> "**13.5.2 When small amounts of cleaning additives (detergent products) are added to water in order to facilitate tank washing, no additives containing pollution category X components shall be used except those components that are readily biodegradable and present in a total concentration of less than 10%. No restrictions additional to those applicable to the tank due to the previous cargo should apply.**"

3.6.2 All cleaning additives evaluated by the BLG Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals (ESPH) and found to meet the requirements of paragraph 13.5.2 of the MARPOL Annex II are consolidated into annex 10 of the MEPC.2/Circular.

3.6.3 In line with the decision taken by the Marine Environment Protection Committee at its fifty-sixth session, cargo tank cleaning additives which were submitted before 1 January 2007 and were evaluated through MEPC/Circ.363, have ceased to be valid from 1 August 2010. Any such products which are now still listed, have undergone a re-evaluation of the cleaning additives concerned, in accordance with the revised guidelines given in MEPC.1/Circ.590.

3.6.4 Accordingly, all cargo tank cleaning additives presented in annex 10 as meeting the requirements of regulation 13.5.2 of MARPOL Annex II have been evaluated in accordance with MEPC.1/Circ.590.

3.6.5 In order to facilitate any future liaison with additive producers that may be required, a record of the Administrations having submitted cleaning additives on behalf of the manufacturers is included for all product entries to annex 10.

4 Notification of new entries

4.1 Guidelines for the provisional assessment of liquids transported in bulk are set out in MEPC.1/Circ.512. When notifying the Secretariat of any provisional assessment made under Tripartite Agreement, Administrations are requested to:

.1 specify whether in Lists 1, 2, 3 or 4; and

.2 provide all relevant data to be included in the circular.

4.2 As the majority of products notified are classified by the calculation method and are candidates for List 2, it is particularly important to provide the information to IMO in a format that will facilitate efficient and accurate transfer to the database used to generate the various lists included in this circular.

4.3 For hard copies with **candidates for List 2**, the preferred method is to notify **one product per page in the following format**:

Reporting Country		:
Manufacturer		:
Tradename		:
List Number		:
Contains Name		:
Pollution Category	(Cat)	:
Ship Type	(ST)	:
n.o.s. Number		:
Melting Point (°C)	(Mpt)	:
Flash Point (c.c., °C)	(Fpt)	:
Viscosity @ 20°C (mPa.s)	(V_{20})	:

Note: Incomplete data on a substance will result in the submission being delayed while the application is returned to the originator for further review.

4.4 For products being notified as **candidates for Lists 1, 3 or 4**, the format shown in appendix 3 of the annex to MEPC.1/Circ.512 is preferred.

4.5 While stressing the importance of correct data being supplied to the Secretariat, it should be noted in particular that, when proposing a product for Lists 2 and 4, the component responsible for the greatest pollution potential should be specified following the word "Contains" in the Shipping Name. Such a component is that with the highest value obtained from the calculation of % *x* component factor. In the event of there being more than one component with equivalent highest scores, discretion may be used in deciding whether one or both components should be identified (see MEPC.1/Circ.512). The name used for the component(s) should be one of those appearing in chapters 17 or 18 of the IBC Code or those in Lists 1 or 5 of this circular as available.

4.6 It should also be pointed out that any cargo offered for bulk shipment shall be indicated in the shipping document by the product name under which it is listed in chapter 17 or 18 of the IBC Code or the latest edition of the MEPC.2/Circular or under which it has been provisionally assessed. In this respect, special attention should be given to BLG.1/Circ.17 regarding the use of the proper shipping name in offering bulk liquid cargoes for shipment and to BLG.1/Circ.25 which deals with the use of specific product names in preference to generic entries when both options are available to describe a bulk liquid cargo.

4.7 When shipping a pollution hazard only mixture, the appropriate n.o.s. entry in the IBC Code, together with the tradename and "product contains" information, would form the proper shipping name. For example, if the trade name is IMO 1234 and it contains "Calcium long-chain alkyl salicylate (C13+)" as the component with the greatest pollution potential, then the correct product name could be:

Noxious liquid, N.F., (5) n.o.s. (IMO 1234 contains Calcium long-chain alkyl salicylate (C13+)) S.T. 2, Cat. Y

4.8 The Master of a type 2 ship certified to carry n.o.s. (5) products would then know that he can accept the cargo without concern as to fire, toxicity and other safety hazards and that, in the event of an accidental spill, he could report the name of the substance responsible for the pollution to the coastal State authorities.

5 Tripartite contact addresses

5.1 In accordance with the MEPC resolution on Tripartite Agreements, resolution MEPC.109(49), Administrations are requested to note that contact points which have not informed the Organization of their **latest** contact details should be deemed to have accepted the Tripartite Agreements whilst other contact points should still follow regulation 6.3 of MARPOL Annex II.

5.2 It would, therefore, be appreciated if Administrations could verify that information included in annex 8 of this circular is correct and supply any useful additional information, for example, e-mail addresses, as appropriate. As the Secretariat has only been supplied with the addresses listed, those Administrations which have not supplied any focal point address are requested to do so. In this respect, it should be noted that the tripartite agreement contact points are now available through the GISIS database and that any amendments required may be effected directly by the Administration concerned.

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ANNEX 1

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Alcohol (C12-C13, branched and linear) poly-(4-8) propoxy sulfates, sodium salt 25-30% solution	DEU	BHS, CAN, CYM, GBR, ITA, LBR, MYS, NLD, NOR, PAN, SGP, USA	01/10/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Alcohols (C12+), primary, linear		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Alkanes(C10-C26), linear and branched		All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Alkenoic acid, polyhydroxy ester borated		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
Alkyl(C12-C16) propoxyamine ethoxylate		All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6
Alkyl (C18+) toluenes		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9
Alkyltoluenesulfonic acid (in mineral oil)	FRA	BHS, CYM, GBR, HKG, JPN, LBR, NOR, PAN, PHL, SGP, USA	21/09/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.11.1, 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12, 15.17, 15.19, 16.2.6, 16.2.9
Alkyl(C18-C28)toluenesulfonic acid, calcium salts, borated (<70% in mineral oil)	USA	AUS, BHS, CHN, CYM, DZA, FRA, GBR, GRC, HKG, JPN, LBR, MHL, NLD, NOR, PAN, PHL, SGP, TUR, VCT, VUT, ZAF	15/07/09	17/12/12	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Alkyl (C18-C28) toluenesulfonic acid, calcium salts, low overbase		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Alkyl (18-C28) toluenesulphonic acid, calcium salts, high overbase		All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Ammonium chloride solution (less than 25%) (*)		All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	
tert-Amyl ethyl ether (TAEE)	FIN	DNK, NOR, SWE	05/02/09	17/12/12	X	S/P	2	2G	Cont	No	T3	IIB	No	R	FT	A	No	15.12.3, 15.12.4, 15.19.6
Calcium alkaryl sulphonate (C11-C50)		All countries		None	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Calcium alkyl (C10-C28) salicylate		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Calcium long-chain alkyl phenate sulphide (C8-C40)		All countries		None	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
Calcium long-chain alkyl (C18-C28) salicylate		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Cashew nut shell oil (untreated)		All countries		None	Y	S/P	2	2G	Cont	No			Yes	R	T	AB	No	15.19.6, 16.2.6, 16.2.9
Cesium formate solution (*)		All countries		None	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6
Crude Hazelnut Oil	TUR	ITA	04/08/10	17/12/13	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9

ANNEX 1

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Decyl/Dodecyl/Tetradecyl alcohol mixture		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Dialkyl (C9 - C10) phthalates		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Dialkyl thiophosphates sodium salts 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, 16.2.9
Dibutyl Terephthalate	USA	BHS, CYM, HKG, LBR, MHL, NLD, NOR, PAN, SGP, VUT	03/06/08	17/12/11	X	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
Dicyclopentadiene, Resin Grade, 81-89%		All countries		None	Y	S/P	2	2G	Cont	Inert	T2	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.19
Di- (2-ethylhexyl) terephthalate	USA	ARE, ARG, AUS, BEL, BHS, BRA, CHN, CYM, CYP, DEU, EGY, FRA, GBR, GRC, HKG, IND, ITA, JPN, KOR, KWT, LBR, MHL, MYS, NLD, NOR, PAN, PHL, SAU, SGP, SWE, TUR, VCT, VUT	19/03/10	17/12/13	X	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Dodecyl/Octadecyl methacrylate mixture		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.13, 15.19.6, 16.2.6, 16.6.1, 16.6.2
Ethoxylated tallow amine (> 95%)		All countries		None	X	S/P	2	2G	Cont	Inert	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Fatty acids, (C8-C10)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9
Fatty acids, (C12+)		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, 16.2.9
Formic acid mixture (containing up to 18% propionic acid and up to 25% sodium formate)		All countries		None	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T(g)	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.12.4, 15.19.6
Glycerol ethoxylated		All countries		None	OS		NA											
Grape Seed Oil	ARG	FRA, MLT	23/04/09	17/12/12	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Jatropha oil		All countries		None	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Ligninsulphonic acid, magnesium salt solution		All countries		None	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
N-Methylaniline		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
alpha-Methylbenzyl alcohol with acetophenone (15% or less)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Methylcyclohexanemethanol (crude)	USA	AUS, CYM, GBR, LBR, SGP	11/05/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19

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TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Methyl 3-(3,5 di-tert-butyl-4-hydroxyphenyl)propionate crude melt	SGP	BEL, CHN, HKG, ITA, LBR, NLD, NOR, PAN, USA	23/07/10	17/12/13	Y	P	2	2G	Open	No	T2	IIA	Yes	O	No	ABC	No	15.19.6, 16.2.9
2-Methylglutaronitrile with 2-Ethylsuccinonitrile (12% or less)		All countries		None	Z	S	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Microsilica slurry		All countries		None	OS		NA											
Nonylphenol (48-62%)/Phenol (42-48%)/Dinonylphenol (1-10%) mixture	USA	BHS, CYM, GBR, IND, LBR, MHL, NOR, PAN, SGP, VUT	10/03/08	17/12/11	X	S/P	1	2G	Cont	No	T1	-	Yes	C	No	BC	Yes	15.12.3, 15.17, 15.19, 16.2.6, 16.2.9
Octamethylcyclotetrasiloxane	USA	BEL, BHS, CYM, DNK, GBR, JPN, KOR, LBR, MHL, NLD, NOR, PAN, PHL, VCT	02/05/08	17/12/11	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6, 16.2.9
Octyl aldehydes		All countries		None	Y	P	2	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.9
Olefin Mixture (C7-C9) C8 rich, stabilised		All countries		None	X	S/P	2	2G	Cont	No	T3	IIB	No	R	F	ABC	No	15.13, 15.19.6
Orange juice (concentrated)		All countries		None	OS		NA											
Orange juice (not concentrated)		All countries		None	OS		NA											
Palm kernel fatty acid distillate		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.19.6, 16.2.6, 16.2.9
1,3-Pentadiene		All countries		None	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3
1,3-Pentadiene (greater than 50%), cyclopentene and isomers, mixtures		All countries		None	Y	S/P	2	2G	Cont	Inert	T3	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.19
Piperazine(70% or less)	USA	ARE, BEL, CHN, CYM, CYP, GBR, GRC, HKG, IND, JPN, LBR, MHL, MLT, NLD, NOR, PAN, RUS, SGP	16/11/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Polyalkylalkenaminesuccinimide, molybdenum oxysulphide		All countries		None	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Poly(ethylene glycol) methylbutenyl ether (MW>1000)		All countries		None	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9
Polyolefin amide alkeneamine polyol		All countries		None	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Potassium chloride solution (less than 26%)		All countries		None	OS		NA											
Sodium bicarbonate solution (less than 10%)		All countries		None	OS		NA											

ANNEX 1

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Sodium bromide solution (less than 50%) (*)		All countries		None	Y	S/P	3	2G	Open	No	-	-	NF	R	No	No	No	15.19.6
Sodium Methylate Solution 21-30% in Methanol	DEU	ARG, AUS, BEL, BHS, BRA, CAN, CYM, ESP, FRA, GBR, HKG, IDN, JPN, LBR, MHL, MYS, NLD, NOR, PAN, PER, PHL, PRT, SGP, THA, USA, ZAF	05/09/08	17/12/11	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	A	Yes	15.12, 15.17, 15.19
Wood lignin with sodium acetate/oxalate		All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	

附件 2　对散化规范（2009）第 17 章和第 18 章修订内容列表

Annex 2　Tabulated Revision Contents to Chapters 17 & 18 of CCS Rules for Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk, 2009

第 17 章

Chapter 17

新增货品清单

序号	修改类别	a	c	d	e	f	G	h	i’	i”	I’”	j	k	l	n	o
	增加 Newly added	烷烃(C10-C26)，直链或含支链 Alkanes(C10-C26), linear and branched	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
	增加 Newly added	烷基（C12-C16）乙氧基丙基羟基胺 Alkyl(C12-C16) propoxyamine ethoxylate	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6
	增加 Newly added	烷基（C18-C28）甲基苯磺酸，钙盐，低盐度 Alkyl (C18-C28) toluenesulfonic acid, calcium salts, low overbase	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
	增加 Newly added	氯化铵溶液（小于 25%）(*) Ammonium chloride solution (less than 25%) (*)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	
	增加 Newly added	烷芳基硫磺钙(C11-C50) Calcium alkaryl sulphonate (C11-C50)	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
	增加 Newly added	甲酸铯溶液(*) Cesium formate solution (*)	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6
	增加 Newly added	二烃基硫代亚磷酸钠盐溶液 Dialkyl thiophosphates sodium salts solution	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9

增加 Newly added	双环戊二烯，树脂级, 81-89% Dicyclopentadiene, Resin Grade, 81-89%	Y	S/P	2	2G	Cont	Inert	T2	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.19
增加 Newly added	甲酸混合物（含最多至 18%丙酸和最多至 25%甲酸钠） Formic acid mixture (containing up to 18% propionic acid and up to 25% sodium formate)	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T(g)	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.12.4, 15.19.6
增加 Newly added	麻风树油 Jatropha oil	Y	P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
增加 Newly added	木素硫磺酸，镁盐溶液 Ligninsulphonic acid, magnesium salt solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
增加 Newly added	N-甲基苯胺 N-Methylaniline	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
增加 Newly added	α-甲基苄醇含苯乙酮（15%或以下） alpha-Methylbenzyl alcohol with acetophenone (15% or less)	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
增加 Newly added	2-甲基戊二腈含 2-乙基丁二腈（12%或以下） 2-Methylglutaronitrile with 2-Ethylsuccinonitrile (12% or less)	Z	S	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
增加 Newly added	石蜡混合物（C7-C9）富含 C8，稳定的 Olefin Mixture (C7-C9) C8 rich, stabilised	X	S/P	2	2G	Cont	No	T3	IIB	No	R	F	ABC	No	15.13, 15.19.6
增加 Newly added	1,3 一戊二烯（大于 50%），环戊烯及其异构体的混合物 1,3-Pentadiene (greater than 50%),cyclopentene and isomers, mixtures	Y	S/P	2	2G	Cont	Inert	T3	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.19
增加 Newly added	聚（乙二醇）甲基丁烯基醚（分子量>1000） Poly(ethylene glycol) methylbutenyl ether (MW>1000)	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9
增加 Newly added	溴化钠溶液（50%以下）(*) Sodium bromide solution (less than 50%) (*)	Y	S/P	3	2G	Open	No	-	-	NF	R	No	No	No	15.19.6
增加 Newly added	木质素含乙酸钠/草酸钠 Wood lignin with sodium acetate/oxalate	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	

（*）指在参考了 IBC 规则第 21 章 21.1.3 条最低安全和污染标准，但在制订具体的载运要求时考虑其特殊特性而偏离了一般的标准。目前仅适用于氯化铵溶液（小于 25%），甲酸铯溶液和溴化钠溶液（50%或以下）。

修订的货品清单

原规范中的货品序号	修改类别	a	c	d	e	f	G	h	i'	i"	I"'	j	k	l	n	O
59	修改 Revised	烷基甲基苯磺酸，钙盐， Alkyltoluenesulphonic acid, calcium salts ↓ 烷基（C18-C28）甲基苯磺酸，钙盐，高盐度 Alkyl (18-C28) toluenesulphonic acid, calcium salts, high overbase	Y	S/P	2 ↓ 3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
121	修改 Revised	长链烷基酚盐硫化物钙（C8-C40） Calcium long-chain alkyl phenate sulphide (C8-C40)	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6,16.2.6,16.2.9 ↓ 15.19.6, 16.2.6
533	修改 Revised	1，3－戊二烯 1,3-Pentadiene	Y	S/P	3	2G	Cont	No	↓ T1	↓ IIA	No	R	FT	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3
575	修改 Revised	聚烯酰多羟基胺烯胺 Polyolefin amide alkeneamine polyol	Y	S/P ↓ P	2	2G	Cont. ↓ Open	No	-	-	Yes	C ↓ O	T ↓ No	ABC	Yes ↓ No	15.12,15.17,15.19,16.2.6 ↓ 15.19.6, 16.2.6, 16.2.9

注: 阴影为修改内容，箭头前后为修改前后的内容。

第 18 章

Chapter 18

序号	修改类别	货物名称	污染类别
	增加 Newly added	微硅粉泥浆 Microsilica slurry	OS