



危险物品专家组 (DGP)

第二十八次会议

2021年11月15日至19日，虚拟会议

议程项目 2: 管理航空特有的安全风险和查明异常情况

2.2: 如有必要，拟定对《危险物品安全航空运输技术细则》(Doc 9284号文件)的修订提案，以便纳入2023年-2024年版

危害环境的物质分类相对于空运受管制物质分类的优先性

(由 D. Brennan 提交)

摘要

本工作文件提议澄清，如果某种物质符合《联合国规章范本》所载危害环境的物质的分类标准，这应优先于将其划入空运受管制液体或固体的条目，即 UN 3334 或 UN 3335，尽管该物质可能具有麻醉性、有害性或其他性质。

危险物品专家组的行动：请危险物品专家组审议本工作文件附录所载对《技术细则》的修改。

1. INTRODUCTION

1.1 This working paper is a follow on from the proposal submitted to DGP-WG/21 to clarify the precedence of classification where a substance meets the classification criteria for an environmentally hazardous substance as specified in 2.9.2 of the UN Model Regulations and is also considered by the shipper as meeting the criteria as an aviation regulated substance (see paragraph 3.2.2.2 of the DGP-WG/21 Report).

1.2 At DGP-WG/21 there was some support for the proposal, DGP-WG/21 report, paragraph 3.2.2.2 refers, although concerns were raised regarding the consideration by flight crew given the different drill code assigned to aviation regulated substances compared to environmentally hazardous substances as well as the ability for a shipper to apply Special Provision A197 to environmentally hazardous substances, allowing the substances to be shipped as non-dangerous goods, which may not be appropriate where the substances have properties that make them aviation regulated.

1.3 Also identified during the discussion of the proposal at DGP-WG/21 is the assignment of Special Provision A97 to UN 3077 — **Environmentally hazardous substance, solid, n.o.s.** and UN 3082 — **Environmentally hazardous substance, liquid, n.o.s.** which appears to create some ambiguity on the classification of environmentally hazardous substances.

1.4 In reviewing Special Provision A97, it was identified that the wording was previously aligned to special provision 179 in the UN Model Regulations, however special provision 179 was deleted with effect the 16th revised edition of the Model Regulations and the text was incorporated into the description of environmentally hazardous substances in 2.9.2 of the Model Regulations. The text in Special Provision A97 was modified in the 2011-2012 Edition of the Technical Instructions, but the provisions were not aligned to those in the Model Regulations.

1.5 Based on the review of provisions in the UN Model Regulations and the Technical Instructions it is believed that the text in Special Provision A97 should be moved to be incorporated into the text describing environmentally hazardous substances in Table 2-16 so that there is alignment with the UN Model Regulations.

1.6 It is proposed to modify the description of environmentally hazardous substance to identify that classification as environmentally hazardous takes precedence over classification as aviation regulated. Special Provision A97 would then become “not used”.

1.7 With respect to the relaxation provided by Special Provision A197 to permit environmentally hazardous substances to be shipped as non-dangerous goods, it is proposed to amend Special Provision A197 to disapply this special provision where the substance meets the criteria for an aviation regulated substance.

1.8 A concern with respect to different drill codes where aviation regulated substances are assigned drill code “9A” compared to “9L” for environmentally hazardous substances was raised at DGP-WG/21. As was noted in the discussion at DGP-WG/21, there is nothing in the applicable packing instructions or any other provisions of the Technical Instructions that requires aviation regulated substance to be prepared, handled or loaded any differently to environmentally hazardous substances. In the event of any spill or leakage from cargo where the flight crew observe a strong odour or fumes, it would be expected that they apply the standard emergency protocols as specified by the aircraft manufacturer, regardless of any information that may or may not be on the written information to the pilot-in-command.

2. ACTION BY THE DGP

2.1 The DGP is invited to consider the revisions to the Technical Instructions as set out in the appendix to this working paper.

附录

对《技术细则》第2部分和第3部分的拟议修订

第2部分

危险物品的分类

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第9章

第9类 — 杂项危险物质和物品，包括危害环境的物质

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9.2 第9类的划定

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表2-16 第9类物质和物品

UN 编号	名称	说明
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<i>Environmentally hazardous substances</i> 危害环境的物质		
3077	Environmentally hazardous substance, solid, n.o.s. 危害环境的固体物质，未另作规定的	<p>这些名称用于危害环境（水域环境）但不符合任何其他类别或第9类内其他物质分类标准的物质和混合物，但空运受管制物质除外，这种情况下，作为危害环境的物质的分类优先。这些名称还可用于在其他方面不受本细则限制，但包括在《关于控制危险废弃物跨界转移及其处置的巴塞尔公约》中的废弃物以及用于由系指那些符合《联合国规章范本》2.9.3中的标准或符合由托运货物的始发国、过境国或目的地的国家主管当局指定为危害环境但不符合根据本细则的危害环境物质的标准或任何其他危险性类别标准的物质。或制定的国际规章或国家规章当中所裁标准的物质。危害水域环境的物质的标准见于《联合国规章范本》2.9.3。</p> <p>未在本细则中以其他方式归类的危害水域环境的物质或混合物，必须划入III级包装并定为UN 3077或UN 3082。</p>
3082	Environmentally hazardous substance, liquid, n.o.s. 危害环境的液体物质，未另作规定的	
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<i>Other substances or articles presenting a danger during transport, but not meeting the definitions of another class</i> 运输过程中存在危险但不能满足其他类别定义的其他物质和物品		
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附录

UN 编号	名称	说明
3334	Aviation regulated liquid, n.o.s. 空运受管制的液体，未另作规定的	<p>航空管制的液体：具有麻醉性、有害性或其他性质，一旦出现在航空器上泄漏能引起机组人员极度烦躁或不适以至不能正常履行职责的任何物质。</p> <p>但是，如果液体符合《联合国规章范本》2.9.3所载作为危害环境的物质的分类标准，则必须划入UN 3082，危害环境的液体物质，未另作规定的（Environmentally hazardous substance, liquid, n.o.s.）。</p>
3335	Aviation regulated solid, n.o.s. 空运受管制的固体，未另作规定的	<p>航空管制的固体：具有麻醉性、有害性或其他性质，一旦出现在航空器上泄漏能引起机组人员极度烦躁或不适以至不能正常履行职责的任何物质。</p> <p>但是，如果固体符合《联合国规章范本》2.9.3所载作为危害环境的物质的分类标准，则必须划入UN 3700，危害环境的固体物质，未另作规定的（Environmentally hazardous substance, solid, n.o.s.）。</p>

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第3部分

危险物品表，特殊规定和限制数量与例外数量

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表 3-1 危险物品表

名称	名称	名称	次要危险性	标 签	国家 差异 条款	特殊 规定	UN 包装 等级	例外数量	客机和货机		仅限于货机	
									包装 说明	每个 包装件 最大净量	包装 说明	每个 包装件 最大净量
1	2	3	4	5	6	7	8		9	10	11	12
.....												
Environmentally hazardous substance, liquid, n.o.s.* 危害环境的液态物质, 未另作规定的*	3082	9		Miscellaneous 杂项危险物品	DE 5 US 4	A97 A158 A197 A215	III	E1	964 Y964	450 L 30 kg G	964	450 L
Environmentally hazardous substance, solid, n.o.s.* 危害环境的固态物质, 未另作规定的*	3077	9		Miscellaneous 杂项危险物品	DE 5 US 4	A97 A158 A179 A197 A215	III	E1	956 Y956	400 kg 30 kg G	956	400 kg

第 3 章

特殊规定

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表 3-2 特殊规定

本细则 UN

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A27 (276) 本条目包括不属于其他任何类别的物质，但是这些物质具有麻醉性、有害或其他性质，以至当这些物质在航空器上溢出或泄漏时，能使机组人员感到极度烦躁或不适，而不能正确履行他们的职责。但是，如果物质符合《联合国规章范本》2.9.3所载作为危害环境的物质的分类标准，则必须视情划入UN 3077或UN 3082。

A97 本条目必须用于危害环境但不符合任何其他类别或第 9 类内其他物质分类标准的物质。这必须基于 2.9.2.1 a) 所载标准。该名称还可用于在其他方面不受本细则限制，但包括在《关于控制危险废弃物跨界转移及其处置的巴塞尔公约》中的废弃物。未使用。

本细则 UN
A197 (375)

如果采用包含每个或内包装净数量为5升及以下液体或每个或内包装净质量为5千克及以下固体的单个或组合包装来运输这些物质，则不受本细则中其他任何规定的约束，前提是包装满足了4;1.1.1、4;1.1.3.1和4;1.1.5的一般规定。

当物质符合作为空运管制物质的标准时，本特殊规定不适用。

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