



**WORKING PAPER**

**DANGEROUS GOODS PANEL (DGP)  
WORKING GROUP ON LITHIUM BATTERIES**

**SECOND MEETING**

**Montréal, 7 to 11 April 2014**

**Agenda Item 4: Any other business**

**PROVISION FOR KRILL MEAL**

(Presented by D. Brennan)

**SUMMARY**

This working paper proposes that UN 3497 — **Krill meal** be permitted on both passenger and cargo aircraft rather than being forbidden/forbidden as adopted by the DGP at the twenty-fourth meeting of the Dangerous Goods Panel (DGP/24).

**Action by the DGP-WG/LB:** The DGP-WG/LB is invited to adopt the revisions as presented in the appendix to this working paper.

**1. INTRODUCTION**

1.1 At the twenty-fourth meeting of the Dangerous Goods Panel (DGP/24), the panel adopted provisions to bring into Table 3-1 “missing” UN numbers that while in the list of dangerous goods in the UN Model Regulations did not appear in Table 3-1 in the Technical Instructions (DGP/24-WP/45 and the Report of DGP/24, paragraph 2.3.5 refers).

1.2 One of the missing entries that was brought into Table 3-1 was UN 3497 — **Krill meal**. As with almost all of these entries, krill meal was adopted into Table 3-1 with forbidden against both passenger and cargo aircraft.

1.3 The assignment of forbidden/forbidden was done largely on the basis that the missing substances would not be required to be shipped by air and there was therefore a view that there was little value in determining appropriate packing requirements. The other issue for concern was the assignment of Special Provision 300 by the UN. Special Provision 300 prohibits the transport of krill meal if at a temperature exceeding 35°C or 5°C above ambient temperature, whichever is the higher.

1.4 Subsequent to DGP/24 it has been identified that krill meal is being shipped by air by producers of this product. The shipping is in small quantities either to prospective customers for product evaluation or for the purposes of testing. The shipper advises that presently krill meal is being shipped under the entry UN 3088 — **Self-heating solid, organic, n.o.s.**

1.5 The adoption of UN 3497 with forbidden/forbidden against the new entry in the 2015-2016 Edition of the Technical Instructions will mean that shippers will no longer be able to ship their krill except under an A2 approval and then only on cargo aircraft.

1.6 In discussions with the manufacturer and shipper of the krill meal they advise that they have moved, without incident, over 5,000 shipments of krill meal since 2007. Furthermore, based on test results, it can be argued that krill meal in small quantities being shipped by air does not even qualify as a substance in Division 4.2 based on the text in Part 2;4.3.2.3.2.

## 2. ACTION BY THE DGP-WG/LB

2.1 The DGP-WG/LB invited to revise the entry for UN 3497 in Table 3-1 as adopted at DGP/24 as shown in the appendix to this working paper.

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APPENDIX

PROPOSED AMENDMENT TO PART 3 OF THE TECHNICAL INSTRUCTIONS

Part 3

DANGEROUS GOODS LIST,  
SPECIAL PROVISIONS AND  
LIMITED AND EXCEPTED QUANTITIES

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Chapter 2

ARRANGEMENT OF THE  
DANGEROUS GOODS LIST (TABLE 3-1)

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Table 3-1. Dangerous Goods List

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
Krill meal	3497	4.2		Spontaneous combustion		A2 A3	II III	E2 E1	Forbidden		Forbidden	
									467 469	15 kg 25 kg	470 471	50 kg 100 kg

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