



**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals****Sub-Committee of Experts on the Transport of Dangerous Goods****Thirty-seventh session**

Geneva, 21–30 June 2010

Item 3 of the provisional agenda

Listing, classification and packing**New UN number for krill meal****Transmitted by the expert from Norway¹****Introduction**

1. Krill is a shrimp-like marine invertebrate animal. These small crustaceans are important organisms of the zooplankton. Its utilization as a source for human nutrient products is increasing. For example krill meal is the raw material for the production of omega 3 rich krill oils. The transport of krill meal amounts to approximately 200 000 tons per year globally. Krill meal has a chemical composition that is significantly different from that of fish meal. It contains a natural stabilizing substance (ethoxyquin) and the fat content of krill meal is higher than that of fish meal. The UN numbers established for fish meal (Division 4.2 UN 1374 and Class 9 UN 2216) are in the IMDG Code restricted to maximum fat contents, which make these UN numbers not applicable to krill meal. Moreover the use of UN 3088 SELF-HEATING SOLID, ORGANIC, N.O.S. is not accepted by some control officers and dangerous goods authorities. Experience from transportation is that classification as UN 2216 FISH MEAL in certain instances has been required by such enforcement people. In our opinion this is not correct and might undermine the safe transport of krill meal.

2. The relevant test method for krill meal is the test method for self-heating substances of Division 4.2 in Chapter 33.3 of the UN Manual of Tests and Criteria. The test results showed for most krill meals some self-heating properties and a classification in

¹ In accordance with the programme of work of the Sub-Committee for 2009-2010 approved by the Committee at its fourth session (refer to ST/SG/AC.10/C.3/68, para. 118 (d) and ST/SG/AC.10/36, para. 14).

Division 4.2 packing group III. One type of krill meal, however, showed properties corresponding to a Division 4.2 PG II classification.

3. Krill meal is transported worldwide in relatively large quantities. In order to overcome the practical problems and have this commodity transported as dangerous goods according to its properties a new UN number is proposed for krill meal in Division 4.2. The proposed provisions in the different columns of the table are basically the same as for UN 3088 SELF-HEATING SOLID, ORGANIC, N.O.S.

Proposal

4. Add a new UN number XXXX to the dangerous goods list of Chapter 3.2:

XXXX	KRILL MEAL	4.2	II	0	E2	P410 IBC06	B2	T3	TP33
XXXX	KRILL MEAL	4.2	III	223	0	E1 P002 IBC08 LP02	B3	T1	TP33

5. Consequential amendments: Add the entry to the alphabetical index of substances and articles.
