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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

(Twenty-first session, 1-10 July 2002,
agenda item 3(b))

EXPLOSIVES, SELF-REACTIVE SUBSTANCES AND ORGANIC PEROXIDES

Classification of ammonium nitrate emulsions, suspensions and gels

Corrigendum to document ST/SG/AC.10/C.3/2002/22

Transmitted by the expert from Japan

This annex replaces the annex of document ST/SG/AC.10/C.3/2002/22.

Annex

Table 1 Test 8(a) : Thermal Stability Test

Substances	Sample mass (g)	Test T (°C)	Result	Comments
ANE-J1 Ammonium nitrate 80%, Water 13%, Fuel/emulsifier 7%	613	80	-	Mass loss 0.1%
ANE-J2 Ammonium nitrate 76%, Water 17%, Fuel/emulsifier 7%	605	80	-	Mass loss 0.3%
ANE-J3 Ammonium nitrate 68%, Sodium nitrate 9%, Sodium perchlorate 5%, Water 11%, Fuel/emulsifier 7%	583	80	-	Mass loss 0.3%
ANE-J4 Ammonium nitrate 71%, Sodium nitrate 11%, Water 12%, Fuel/emulsifier 6%	602	80	-	Mass loss 0.1%

Table 2 Test 8(b) : ANE Gap Test

Substances	Density g/cm ³	Gap mm	Result	Comments
ANE-J1 Ammonium nitrate 80%, Water 13%, Fuel/emulsifier 7%	1.39	70	-	Tube fragmented. Plate indented.
ANE-J2 Ammonium nitrate 76%, Water 17%, Fuel/emulsifier 7%	1.42	70	-	Tube fragmented. Plate indented.
ANE-J3 Ammonium nitrate 68%, Sodium nitrate 9%, Sodium perchlorate 5%, Water 11%, Fuel/emulsifier 7%	1.41	70	-	Tube fragmented. Plate indented.
ANE-J4 Ammonium nitrate 71%, Sodium nitrate 11%, Water 12%, Fuel/emulsifier 6%	1.40	70	-	Tube fragmented. Plate indented.
ANE-J5 (sensitized by microballoons) Ammonium nitrate 71%, Sodium nitrate 5%, Water 18%, Fuel/emulsifier 6%	1.20	70	+	Tube fragmented. Plate performed. VOD 5.7 km/s
ANE-J6 (sensitized by microballoons) Ammonium nitrate 80%, Water 13%, Fuel/emulsifier 7%	1.26	70	+	Tube fragmented. Plate performed. VOD 6.3 km/s

Table 3 Test 8(c) : Koenen Test

Substances	Result	Comments
ANE-J1 Ammonium nitrate 80%, Water 13%, Fuel/emulsifier 7%	-	Effect type "O"
ANE-J2 Ammonium nitrate 76%, Water 17%, Fuel/emulsifier 7%	-	Effect type "O"
ANE-J3 Ammonium nitrate 68%, Sodium nitrate 9%, Sodium perchlorate 5%, Water 11%, Fuel/emulsifier 7%	-	Effect type "A"
ANE-J4 Ammonium nitrate 71%, Sodium nitrate 11%, Water 12%, Fuel/emulsifier 6%	-	Effect type "A"