

DANGEROUS GOODS PANEL**Dubai, 31 March to 4 April 2003****Agenda Item 2 Development of recommendations for amendments to the Technical
: Instructions for incorporation in the 2005/2006 edition****TOXIC BY INHALATION SUBSTANCES**

(Presented by R. Richard)

1. INTRODUCTION

1.1 Paragraph 2.1.3 of the report of the 18th meeting of the Dangerous Goods Panel states that: "A proposal to forbid certain liquids having or estimated to have a vapor inhalation toxicity of Packing Group I (i.e. LC50 < 1000 mL/m³) from transport on both passenger and cargo aircraft was agreed." Even though the Panel clearly took a decision in principle to forbid PG I inhalation toxicity liquids, there are still a number of toxic by inhalation liquids in the 2003-2004 Technical Instructions that are not forbidden on passenger and cargo aircraft. A list of toxic inhalation liquids with an LC50 < 1000 mL/m³ and a saturated vapor concentration greater than ten times the LC50 is provided below. One liquid is permitted on passenger aircraft and is assigned a limited quantity packing instruction (i.e UN 2743). It is proposed that the substances identified in the list be forbidden for transport on both passenger and cargo aircraft.

PG I Toxic by Inhalation Liquids that are Allowed on Aircraft in the 2003-2004 TI

UN#	PSN	CLAS S	Sub- Risk	PG	PAX PI/QTY	CARGO PI/QTY	LQ PI
UN2743	n-BUTYL CHLOROFORMATE	6.1	3, 8	II	609/1 L	611/30L	Y609
UN1143	CROTONALDEHYDE, STABILIZED	6.1	3	I	FORBIDDEN	604/30L	
UN1541	ACETONE CYANOHYDRIN, STABILIZED	6.1		I	FORBIDDEN	605/30L	
UN2740	n-PROPYL CHLOROFORMATE	6.1	3, 8	I	FORBIDDEN	605/2.5L	

UN#	PSN	CLASS	Sub-Risk	PG	PAX PI/QTY	CARGO PI/QTY	LQ PI
UN2407	ISOPROPYL CHLOROFORMATE	6.1	3, 8	I	FORBIDDEN	604/2.5L	
UN2485	n-BUTYL ISOCYANATE	6.1	3	I	FORBIDDEN	605/30L	
UN2606	METHYL ORTHOSILICATE	6.1	3	I	FORBIDDEN	604/30L	

It is also noted that the new TIH n.o.s. entries (i.e. UN 3381 through 3390) that were adopted in the 13th revised edition of the UN Model Regulations should be forbidden on passenger and cargo aircraft.

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