

**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-fourth session  
Geneva, 3-10 December 2003  
Item 5 of the provisional agenda

DANGEROUS GOODS PACKED IN LIMITED QUANTITIES

Transmitted by the expert from Germany

- The report of the Working Group provides for Excepted Quantities (EQ) in accordance with the ICAO regulations. For the following reasons Germany is still not convinced as to whether this is necessary:
  - Possible practical problems with for instance the shipment of EQ by a truck instead of air transport (so-called ground level 0 transport) can be solved in the provisions for the land mode. For example could such shipments allowed to be transported according to ICAO TI like shipments from and to an airport in a transport chain.
  - To the extent that substances are permissible as EQ according to ICAO-TI, but not as Limited Quantities (LQ) according to UN Model Regulations, it has to be examined whether they can be allowed as LQ in the UN Model Regulations. The substances concerned are listed in the annex.
- The report of the Working Group also provides for a category for consumer commodities (CC). Those CC would need only a single mark and no transport document. Again, Germany has its doubts as to whether this is necessary. A single mark can also be accepted for LQ and the necessity of a transport document depends on the requirement of the sea mode where it makes no difference whether LQ or CC are shipped.
- As far as the marking of the transport unit for the purpose of informing the emergency responders is concerned Germany is in favor of such a LQ placard (or mark) in the UN Regulations. Details, especially the quantity limit should be left to the modes of transport.

## Annex

(This table includes all entries not permitted as limited quantities according to the 13<sup>th</sup> revised edition of the UN Model Regulations indicated by the word „none“ in column 7 of the Dangerous Goods List and being allowed to be transported as excepted quantities in accordance with the 2003-2004 edition of the ICAO-TI.)

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	ICAO
1108	1-PENTENE (n-AMYLENE)	3		I	
1144	CROTONYLENE	3		I	
1155	DIETHYL ETHER (ETHYL ETHER)	3		I	
1162	DIMETHYLDICHLOROSILANE	3	8	II	
1167	DIVINYL ETHER, STABILIZED	3		I	
1196	ETHYLTRICHLOROSILANE	3	8	II	
1218	ISOPRENE, STABILIZED	3		I	
1221	ISOPROPYLAMINE	3	8	I	
1243	METHYL FORMATE	3		I	
1265	PENTANES, liquid	3		I	
1280	PROPYLENE OXIDE	3		I	
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	8	I	
1298	TRIMETHYLCHLOROSILANE	3	8	II	
1302	VINYL ETHYL ETHER, STABILIZED	3		I	
1303	VINYLDENE CHLORIDE, STABILIZED	3		I	
1362	CARBON, ACTIVATED	4.2		III	
1369	p-NITROSODIMETHYLANILINE	4.2		II	
1382	POTASSIUM SULPHIDE, ANHYDROUS or POTASSIUM SULPHIDE with less than 30% water of crystallization	4.2		II	
1384	SODIUM DITHIONITE (SODIUM HYDROSULPHITE)9	4.2		II	
1385	SODIUM SULPHIDE, ANHYDROUS or SODIUM SULPHIDE with less than 30% water of crystallization	4.2		II	
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	II/III	
1431	SODIUM METHYLATE	4.2	8	II	
1436	ZINC POWDER or ZINC DUST	4.3	4.2	II/III	
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.	6.1		I	
1553	ARSENIC ACID, LIQUID	6.1		I	
1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1		I	
1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1		I	
1565	BARIUM CYANIDE	6.1		I	
1570	BRUCINE	6.1		I	
1575	CALCIUM CYANIDE	6.1		I	
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1		I	
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1		I	
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1		I	
1626	MERCURIC POTASSIUM CYANIDE	6.1		I	
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1		I	
1680	POTASSIUM CYANIDE, SOLID	6.1		I	
1689	SODIUM CYANIDE, SOLID	6.1		I	

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	ICAO
1692	STRYCHNINE or STRYCHNINE SALTS	6.1		I	
1699	DIPHENYLCHLOROARSINE, LIQUID	6.1		I	
1713	ZINC CYANIDE	6.1		I	
1737	BENZYL BROMIDE	6.1	8	II	
1738	BENZYL CHLORIDE	6.1	8	II	
1845	CARBON DIOXIDE, SOLID (DRY ICE)	9		III	
1921	PROPYLENEIMINE, STABILIZED	3	6.1	I	
1923	CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)	4.2		II	
1929	POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)	4.2		II	
1935	CYANIDE SOLUTION, N.O.S.	6.1		I	
1989	ALDEHYDES, N.O.S.	3		I	
1993	FLAMMABLE LIQUID, N.O.S.	3		I	
2004	MAGNESIUM DIAMIDE	4.2		II	
2008	ZIRCONIUM POWDER, DRY	4.2		II/III	
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1		I	
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1		I	
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1		I	
2059	NITROCELLULOSE SOLUTION, FLAMMABLE, with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3		I	
2210	MANEB or MANEB PREPARATION with not less than 60% maneb	4.2	4.3	III	
2316	SODIUM CUPROCYANIDE, SOLID	6.1		I	
2317	SODIUM CUPROCYANIDE SOLUTION	6.1		I	
2318	SODIUM HYDROSULPHIDE with less than 25% water of crystallization	4.2		II	
2356	2-CHLOROPROPANE	3		I	
2371	ISOPENTENES	3		I	
2389	FURAN	3		I	
2434	DIBENZYL-DICHLOROSILANE	8		II	
2437	METHYLPHENYL-DICHLOROSILANE	8		II	
2456	2-CHLOROPROPENE	3		I	
2459	2-METHYL-1-BUTENE	3		I	
2471	OSMIUM TETROXIDE	6.1		I	
2545	HAFNIUM POWDER, DRY	4.2		II/III	
2546	TITANIUM POWDER, DRY	4.2		II/III	
2555	NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	4.1		II	
2556	NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass)	4.1		II	
2557	NITROCELLULOSE with not more than 12.6% nitrogen, by dry mass, MIXTURE WITH or WITHOUT PLASTICIZER, WITH or WITHOUT PIGMENT	4.1		II	
2561	3-METHYL-1-BUTENE	3		I	
2570	CADMIUM COMPOUND	6.1		I	
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1		I	
2590	WHITE ASBESTOS, (chrysotile, actinolite, anthophyllite, tremolite)	9		III	
2628	POTASSIUM FLUOROACETATE	6.1		I	
2629	SODIUM FLUOROACETATE	6.1		I	

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	ICAO
2630	SELENATES or SELENITES	6.1		I	
2642	FLUOROACETIC ACID	6.1		I	
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	I	
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1		I	
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1		I	
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1		I	
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1		I	
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1		I	
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1		I	
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1		I	
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1		I	
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1		I	
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1		I	
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1		I	
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1		I	
2793	FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS in a form liable to self-heating	4.2		III	
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1		I	
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1		I	
2857	REFRIGERATING MACHINES, containing non-flammable, non-toxic gases or ammonia solutions (UN 2672)	2.2			
2881	METAL CATALYST, DRY	4.2		III	
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1		I	
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 °C	6.1	3	I	
2907	ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	4.1		II	
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	I	
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	I	
2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	I	
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	3	I	
2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1	4.1	I	
2940	9-PHOSPHABICYCLONONANES (CYCLOOCTADIENE PHOSPHINES)	4.2		II	
2985	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	II	
2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8	3	II	
2987	CHLOROSILANES, CORROSIVE, N.O.S.	8		II	
2990	LIFE-SAVING APPLIANCES, SELF-INFLATING	9			
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		I	
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1		I	
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1		I	
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1		I	
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC,	6.1	3	I	

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	FLAMMABLE, flash point not less than 23 °C				
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		I	
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1		I	
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1		I	
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1		I	
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1		I	
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1		I	
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1		I	
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		I	
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		I	
3072	LIFE-SAVING APPLIANCES NOT SELF-INFLATING, containing dangerous goods as equipment	9			
3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1	5.1	I	
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2		II/III	
3090	LITHIUM BATTERIES	9		II	
3091	LITHIUM BATTERIES CONTAINED IN EQUIPMENT or LITHIUM BATTERIES PACKED WITH EQUIPMENT	9		II	
3124	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1	4.2	I/II	
3125	TOXIC SOLID, WATER-REACTIVE, N.O.S.	6.1	4.3	I	
3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	II/III	
3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	II/III	
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	4.2	II/III	
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.	6.1		I	
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1		I	
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1		I	
3144	NICOTINE COMPOUND, LIQUID, N.O.S.	6.1		I	
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1		I	
3171	BATTERY-POWERED VEHICLE or BATTERY-POWERED EQUIPMENT	9			
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1		I	
3174	TITANIUM DISULPHIDE	4.2		III	
3183	SELF-HEATING LIQUID, ORGANIC, N.O.S.	4.2		II/III	
3184	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	II/III	
3185	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	II/III	
3186	SELF-HEATING LIQUID, INORGANIC, N.O.S.	4.2		II/III	
3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	II/III	
3188	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	II/III	

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	ICAO
3189	METAL POWDER, SELF-HEATING, N.O.S.	4.2		II/III	
3190	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2		II/III	
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	II/III	
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	II/III	
3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	4.2		II/III	
3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2	8	II/III	
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	II/III	
3245	GENETICALLY MODIFIED MICROORGANISMS	9			
3268	AIR BAG INFLATORS or AIR BAG MODULES or SEAT BELT PRETENSIONERS	9		III	
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	3	I	
3276	NITRILES, TOXIC, LIQUID, N.O.S.	6.1		I	
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		I	
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	3	I	
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1		I	
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1		I	
3282	ORGANOMETALLIC COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		I	
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1		I	
3284	TELLURIUM COMPOUND, N.O.S.	6.1		I	
3285	VANADIUM COMPOUND, N.O.S.	6.1		I	
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1		I	
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1		I	
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	6	I	
3290	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1	8	I	
3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8	4.2	II	
3313	ORGANIC PIGMENTS, SELF-HEATING	4.2		II/III	
3316	CHEMICAL KIT or FIRST AID KIT	9			
3334	AVIATION REGULATED LIQUID, N.O.S.	9			
3335	AVIATION REGULATED SOLID, N.O.S.	9			
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3		I	
3341	THIOUREA DIOXIDE	4.2		II/III	
3342	XANTHATES	4.2		II/III	
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		I	
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		I	
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1		I	
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1		I	
3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	6.1	8	II	
3362	CHLORSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	3 8	II	
3363	DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APARATUS	9			

