HAZARDOUS MATERIALS LOAD AND SEGREGATION CHART

	CLASS	CLACK CONTRACT	PLACE ON OF	a.t.	چ 1.2	.1	1.4	1.5	1.6	2.1	2.2	GA			4.1	4.2	4.3	5.1	5.2	DC	6.1 UIDS	8
CLASS	EXPLOSIVES *Add division number and compatibility group	111		A	*	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X	
-	*Add division number and compatibility group	\$ 1.3	ANY QUANTITY		*	*	*	*	*	X		X	X	X		X	X	X	X	X		X
	EXPLOSIVES *Add compatibility group	\$ 1.4	1,001 Ibs.		*	*	*	*	*	0		0	0	0		0				0		0
	VERY INSENSITIVE EXPLOSIVES	1.5	1,001 Ibs.	Α	*	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X	X
	EXTREMELY INSENSITIVE EXPLOSIVES	\$ 1.6	1,001 Ibs.		*	*	*	*	*													
class 2	FLAMMABLE GASES	2.1	1,001 Ibs.		X	X	0	X				X	0							0	0	
	NON-TOXIC NON- FLAMMABLE GASES	2.2	1,001 Ibs.	В	X			X														
	POISONOUS GAS ZONE A	2.3	ANY QUANTITY		X	X	0	Χ		Χ				X	X	X	X	X	X			X
	POISONOUS GAS	2.3	ANY QUANTITY		X	X	0	X		0				0	0	0	0	0	0			0
class 3		3	1,001 Ibs.		X	X	0	X				X	0					0		X		
class 4	FLAMMABLE SOLIDS	4.1	1,001 Ibs.		X			Χ				X	0							Χ		0
	SPONTANEOUSLY COMBUSTIBLE MATERIALS	4.2	1,001 Ibs.		X	X	0	X				X	0							X		X
	DANGEROUS WHEN WET MATERIALS	4.3	ANY QUANTITY		X	X		X				X	0							X		0
CLASS	OXIDIZERS	5.1	1,001 Ibs.	Α	X	X		Χ				X	0	0						X		0
	ORGANIC PEROXIDES	5.2	1,001 Ibs.	F	X	X		X				X	0							X		0
class 6	POISONOUS LIQUIDS PG I ZONE A	6.1	ANY QUANTITY	E H	X	X	0	X		0				X	X	X	X	X	X			X
CLASS 7	RADIOACTIVE MATERIALS	E) 7	ANY QUANTITY (yellow III label)		X			X		0												
class 8	CORROSIVE LIQUIDS	8	1,001 Ibs.		X	X	0	X				X	0		0	X	0	0	0	X		
class 3	Combustible Liquids	COMBUSTIBLE 3	IN BULK	C G	(2) The duri (3) The	§177.8 absence letter "X ng the co letter "O lity during	of any ha " in the T ourse of tr " in the T	azard cla able indi ansporta able indi	cates tha tion. cates tha	sion or a t these m t these n	blank sp naterials r naterials i	ace in the nay not b may not b	e Table in be loaded be loaded	ndicates f I, transpo I, transpo	E FOR H that no re rted, or s	AZARD estrictions tored tog	OUS MA apply. ether in the ether in the	ATERIA he same he same	S ARE	AS FOL	or storage	e facility e
CLASS	OTHER THAN POISONOUS LIQUIDS	PG III	1,001	Ε	to tr may mat	ansportat / not be lo erials tog	tion, com baded ab ether whe	mingling ove or ac en it is kr	of hazard ljacent to lown that	lous mate Class 4 the mixt	erials wou (flammab ure of cor	uld not oo le) or Cla ntents wo	cur. Notv ass 5 (oxi ould not c	withstand idizing) m ause a fii	ing the m aterials; re or a da	ethods of except th angerous	f separati at shippe evolution	ion emplo ers may lo of heat o	oyed, Cla bad truckl or gas.	ss 8 (corr oad shipi	osive) liq nents of	quids such
6	PG I ZONE A	6	lbs.	H	(5) The nitra	***' in th tion. note **A' ate fertiliz	' in the th er may be	ird colum e loaded	n of the tored	table me with Div	ans that, ision 1.1	notwithst (explosiv	anding th e) or Divi	ie require sion 1.5	ments of naterials	the letter , unless c	" X ", am otherwise	monium prohibite	nitrate (U d by §17	N 1942) 7.835(c).	and amm	nonium
class 9	MISCELLANEOUS)1,001 Ibs.	D	haz clas eac uns	en the §1 ard must is may be h other ar table mat	be applie stowed f nd causin	d when t together	hat segre without re	gation is	more res segregatio	strictive th on require	han that r ed for an	equired by second on of flam	by the pri ary haza mable, p	mary haz d if the m oisonous	ard. How naterials a , or asphy	ever, haz are not ca yxiant ga	ardous n apable of ses, or fo	naterials of reacting rmation of	of the sar dangerou if corrosiv	me usly with ve or
NOTEs §177.848(c) ADDITIONAL SEGRECATION REQUIREMENTS A. See instructions §177.848(c) ADDITIONAL SEGRECATION REQUIREMENTS In addition to the provision of paragraph (d) of this section and except as policies, cyanides, cya																						

HAZARDOUS MATERIALS LOAD AND SEGREGATION CHART

COMPATIBILITY TABLE FOR CLASS 1 (EXPLOSIVE) MATERIALS													
COMPATIBILITY GROUP	A	в	с	D	E	F	G	н	J	к	L	N	s
Α		x	Х	х	x	Х	х	х	Х	х	Х	Х	х
В	Х		X	X (4)	x	X	x	x	X	x	х	X	4/5
С	Х	X		2	2	X	6	x	X	X	Х	3	4/5
D	Х	X (4)	2		2	X	6	x	X	X	Х	3	4/5
E	Х	X	2	2		X	6	x	X	X	Х	3	4/5
F	Х	X	X	X	X		X	x	X	X	Х	X	4/5
G	Х	X	6	6	6	X		x	X	X	Х	X	4/5
н	Х	X	X	X	X	X	X		X	X	Х	X	4/5
J	Х	X	X	X	X	X	X	x		X	Х	X	4/5
к	Х	X	X	X	X	X	X	x	X		Х	X	4/5
L	Х	X	X	X	X	X	X	x	X	X	1	X	X
N	Х	X	3	3	3	X	x	x	X	x	Х		4/5
S	Х	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5	Х	4/5	
0.1== 0.40													

^{§177.848}

(g) Instructions for using the compatibility table for Class 1 (explosive) materials are as follows:

(1) A blank space in the Table indicates that no restrictions apply.

(2) The letter "X" in the Table indicates that explosives of different compatibility groups may not be carried on the same ransport vehicle.

(3) The numbers in the Table mean the following:

"1" means an explosive from compatibility group L shall only be carried on the same transport vehicle with an identical (i) explosive.

(ii) "2" means any combination of explosives from compatibility groups C, D, or E is assigned to compatibility group E.

(iii) "3" means any combination of explosives from compatibility groups C, D, or E with those in compatibility group N is assigned to compatibility group D.

(iv) "4" means 'see §177.835(g)' when transporting detonators.

"5" means Division 1.4S fireworks may not be loaded on the same transport vehicle with Division 1.1 or 1.2 (explosive) (v)naterials.

(vi) "6" means explosive articles in compatibility group G, other than fireworks and those requiring special handling, may be loaded, transported and stored with other explosive articles of compatibility groups C, D and E, provided that explosive substances (such as those not contained in articles) are not carried in the same transport vehicle.

(h) Except as provided in paragraph (i) of this section, explosives of the same compatibility group but of different divisions may be transported together provided that the whole shipment is transported as though its entire contents were of the lower numerical division (i.e., Division 1.1 being lower than Division 1.2). For example, a mixed shipment of Division 1.2 (explosive) materials and Division 1.4 (explosive) materials, both of compatibility group D, must be transported as Division 1.2 (explosive) materials

When Division 1.5 materials, compatibility group D, are transported in the same freight container as Division 1.2 (i) (explosive) materials, compatibility group D, the shipment must be transported as Division 1.1 (explosive) materials, compatibility group D.

AID

INHALATION

HAZARD

6

CORROSIVE

INHALATION

HAZARD

2

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DANGEROUS

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PLACARDS NOT REQUIRED FOR:

- 1. Infectious substances (Division 6.2)
- 2. Combustible liquids in non-bulk packagings.
- 3. Limited quantities identified on shipping
- papers or marked per §172.315. 4. Radioactive (Class 7) I or II labels.
- 5. Small quantities per §173.4.
- 6. Excepted quantities per §173.4a.
- 7. Class 9 materials in domestic transport.

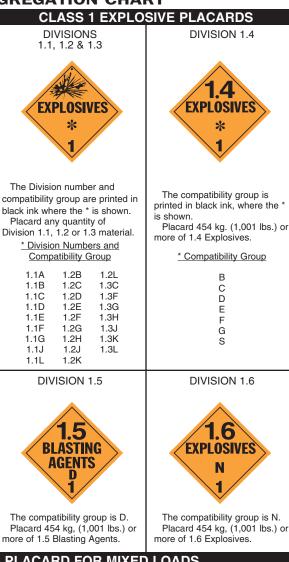
8. Materials prepared per §173.13.

§172.504(g) COMPATIBILITY GROUP LETTER

For shipments of Class 1 (explosive materials) by aircraft or vessel, the applicable compatibility group letter must be displayed on the placards, or labels when applicable, required by this section. When more than one compatibility group placard is required for Class 1 materials, only one placard is required to be displayed, as provided in paragraphs (g)(1) through (g)(4) of this section. For the purposes of paragraphs (g)(1) through (g)(4), there is a distinction between the phrases explosive articles and explosive substances. Explosive article means an article containing an explosive substance; examples include a detonator, flare, primer or fuse. Explosive substance means a substance contained in a packaging that is not contained in an article; examples include black powder and smokeless powder.

- Explosive articles of compatibility groups **EXPLOSIVES** C, D or E may be placarded displaying compatibility group E. 1.1D
- (2) Explosive articles of compatibility groups C, D, or E, when transported with those in compatibility group N, may be placarded displaying compatibility group D.
- (3) Explosive substances of compatibility groups C and D may be placarded displaying compatibility group D.
- (4) Explosive articles of compatibility groups C, D, E or G, except for fireworks, may be placarded displaying compatibility group E

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DANGEROUS PLACARD FOR MIXED LOADS

A freight container, unit load device, transport vehicle, or rail car which contains non-bulk packages with two or more categories of hazardous materials that require different placards, as specified in Table 2, may be placarded with a DANGEROUS placard instead of the separate placarding specified for each of the materials in Table 2. However, when 1,000 kg (2,205 pounds) aggregate gross weight or more of one category of material is loaded therein at one loading facility on a freight container, unit load device, transport vehicle, or rail car, the placard specified in Table 2 for that category must be applied



Division 4.2 Division 5.1 Division 5.2, other than Type B, liquid or solid, temperature controlled Division 6.1, other than material poisonous by inhalation Class 8 Class 9

§172.505 PLACARDING FOR SUBSIDIARY HAZARDS

(a) Each transport vehicle, freight container, portable tank, unit load device, or rail car that contains a poisonous material subject to the "Poison Inhalation Hazard" shipping description of §172.203(m) must be placarded with a POISON INHALATION HAZARD or POISON GAS placard, as appropriate, on each side and each end, in addition to any other placard required for that material in §172.504. Duplication of the POISON INHALATION HAZARD or POISON GAS placard is not required.

(b) In addition to the RADIOACTIVE placard which may be required by §172.504(e), each transport vehicle, portable tank or freight container that contains 454 kg (1,001 pounds) or more gross weight of non-fissile, fissile-excepted, or fissile uranium hexafluoride must be placarded with a CORROSIVE placard and a POISON placard on each side and each end.

(c) Each transport vehicle, portable tank, freight container or unit load device that contains a material which has a subsidiary hazard of being dangerous when wet, as defined in §173.124 of this subchapter, shall be placarded with DANGEROUS WHEN WET placards, on each side and each end, in addition to the placards required by §172.504.

(d) Hazardous materials that possess secondary hazards may exhibit subsidiary placards that correspond to the placards described in this part, even when not required by this part (see also §172.519(b)(4) of this subpart)

1168 (Rev. 12/20)

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