EPA's Chemical Compatibility Chart EPA-600/2-80-076 April 1980

A METHOD FOR DETERMINING THE COMPATIBILITY OF CHEMICAL MIXTURES

Please Note: This chart is intended as an indication of some of the hazards that can be expected on mixing chemical wastes. Because Trease York: Instant is increase as an indication of some or the inazians that can be expected on inning treinical wastes. Declared of the differing activities of the thousands of compounds that may be encountered, it is not possible to make any chart definitive and all inclusive. It cannot be assumed to ensure compatibility of wastes because wastes are not classified as hazardous on the chart, nor do any blanks necessarily mean that the mixture cannot result in a hazard occurring. Detailed instructions as to hazards involved in handling and disposing of any given waste should be obtained from the originator of the waste.

	g of any given waste should be obtained from																									
#	REACTIVITY GROUP NAME										_															
1	Acids, Mineral, Non-oxidizing 1											CODE				CON	SEQUI	ENCE								
-													II.	Cor		201										
	Acids, Mineral, Oxidizing	G G	ī									H		Gene	eration											
3		H H	3	7								F	Fire													
4	Alcohols and Glycols H	F	P	4								G	Inno	cuous	and non-fl	ammabl	e gas g	eneratio	n							
5		H F	H P		5							GT	Tovi	c Cae	formation											
	,	н	•		J	1										_										
6	Amides H	GT H			-	6	7					GF	Flan	ımabl	e Gas form	ition										
7		GT	н		н		7	_				E	Expl	osion												
8			H G	H G	н			8				P	Viole	ent Po	lymerizatio	n										
_		H GT						G H				S														
9								1	H						tion of toxic											
10	Caustics H	H GT	H GT		Н				G	10	L	U	May	be ha	zardous, b	ıt Unkne	own									
11	Cyanides GF	GF	GF					G			11															
12	H,F Dithiocarbamates GF		H,GT		GF GT		u	H G				12														
		Н	ui-		u i		ľ	Н					T													
13		F H		1	1	-	-	G	Н	\vdash	+		13	1												
14		F												14	7											
15	Fluorides, Inorganic GT	GT	GТ												15											
		H													16											
	Н	H,F		1	1	+	н	н	н					1	16	1										
17		GT H,F	н	н				G H	G	F H	_					17										
18		GT		P			P	G	G		U						18									
19	Ketones H	H F						H G	н	н							1	9								
	Mercaptans and Other Organic GT	H,F						Н		- [
20	Sulfides GF Metals, Alkali and Alkaline Earth, H,F	GT H,F	H,F	H,F	H,F	GF	GF	G GF	GF G	F GF	- -		GF	1		H H	F GF	GF	T							
21	Metals, Alkali and Alkaline Earth, H,F Elemental GF	GF	GF	GF	GF	н	H	H	н н	н	GF	F,H GT	н	1		E H	H	H	21							
	Metals, Other Elemental & Alloys H,F	H,F	G					H,F	G							H G		H,F								
22	as Powders, Vapors, or Sponges GF	GF	F	1	1	-	-	GT	U H		\perp			1		E H	\perp	GF	1	22						
	Metals, Other Elemental & Alloys H,F	H,F						H,F								н										
23	as Sheets, Rods, Drops, etc. GF Metals and Metal Compounds,	GF	-		-	-	-	G								F			<u> </u>		23					
	Toxic S	s	s		0.5	s	s		s	6.	_		0.5			0.5	-	0.5				24				
25	Nitrides HF	H,F E	H GF	H,E GF					H G U	GF H		ғ н	GF H			GF H U	GF H	GF H	E			25				
	H,GT	H,F																	H		_	GF H				
	Nitriles GF	H,F	н		1		1	1	H		+						+		H,E		S	H,E	26	1		
27	Nitro Compounds, Organic Hydrocarbons, Aliphatic,	GT H		1	н		-		E					1				-	GF	н		GF	-	27		
28	Unsaturated H	F			н															 E					28	8_
29		H F						1											1					1]		29
	Peroxides and Hydroperoxides, H	H		H	Н		Н	H,F	H,F	H,I	E					Н	t	H,F	Н	Н	Н	H,E	H,P		H P	
	-	E H		F	G		GT	H	GT	G1	H,I	F GT		1		E H	E	GT	E GF	G	G	GF	GT	+	۲	30
31		F					-	G								Р			Н			Н				H 31
	Organophosphates, Phosphothioates,	н							н																	
32	Phosphodithioates GT	GT HF		1	1	-	1	U	E		_		1	1			_		Н				-	1		U 32
33	Sulfides, Inorganic GF	GF	GT		н			E								н			<u> </u>							GT 33
34	Epoxides P	H P	H P	H P	U		H P	H P	H	H P	U							H	H P	H P	H	H				H H H H P P U P 34
	Combustible and Flammable H	H,F	ľ	Í	_		ľ	İ		ď	Ĭ							ľ	H,F		ľ	H.F				H,F
101		GT H	н	1	1		1	н	н		_		н	1			-		G H	н	н	GF		+ +		GT 101
02	Explosives E	E	E			_	1	E	E				E						E		E E	E				E E E E 102
103	Polymerizable Compounds H	P H	P H					H	P	P H	U								H	P H	Р Р Н Н					P P H E 103
	Н		Н	Н	H F				H,F	H,I		E CT	H F	Н	H F	H H,		H,F	H,F	H,F	Н	H,F E	H,F	H E	H F	H H H,F H,F H,F H,F H H,F
	Oxidizing Agents, Strong GT	H,F	GT H	H,F	H,F	GT H	Н	E	GT	Н		F GT	F	F	H,F	GT G	Н	GT H	E	E	F	E	Н	Н	г	H H H,GT H H H,P H,F
		CT	GE	GF	GF	GF	G	1		G1	г Н	F			E	E G	F GF	GF	l				GF	E		E GF GF H GF E GF E 105
	Reducing Agents, Strong GF Water and Mixtures Containing	u i	u.												1 1	I I I										
	Reducing Agents, Strong GF Water and Mixtures Containing Water H	н	ŭ.					G								H G				H GF	s	GF				GF GT