

Chemical Compatibility Chart: Metals

This Chart is intended as a general guide for various materials and chemicals. It shows some of the materials used in Terra's products and chemicals likely to be used with them. Testing is strongly recommended for extreme conditions of use, such as prolonged exposure or immersion, high temperatures and high concentrations. The acids, caustics and salts in this chart are assumed to be in solution materials may react differently to the pure substances (glacial acetic acid, for example).

Hazards (Only the primary ones are shown. For example, chlorine is not shown as an asphyxiant because its toxicity will kill you first).

A = Asphyxiant (gases and vapors only)

C = Corrosive

F = Flammable

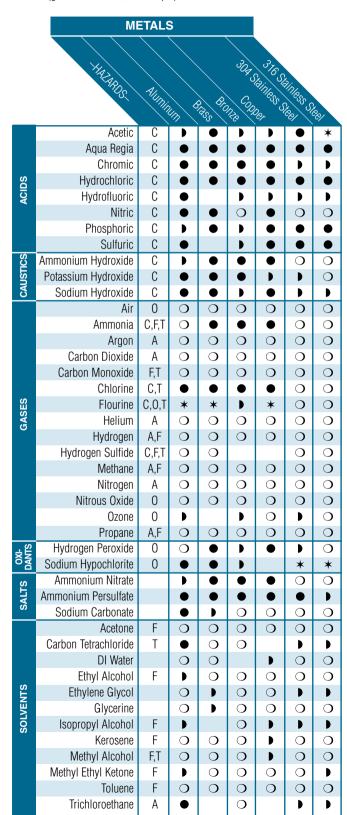
O = Oxidizer

T = Toxic

Material Reaction

O = No noticeable effect.

- Minor effect or slight change in appearance or properties. Test before repeated exposure.
- No noticeable effect at low concentration and room temperature.
 Moderate to severe effect at high concentration and/or high temperature. Test before using.
- Severe effect or degradation,exposure not recommended.



Chemical Compatibility Chart: Plastics

This Chart is intended as a general guide for various materials and chemicals. It shows some of the materials used in Terra's products and chemicals likely to be used with them. Testing is strongly recommended for extreme conditions of use, such as prolonged exposure or immersion, high temperatures and high concentrations. The acids, caustics and salts in this chart are assumed to be in solution materials may react differently to the pure substances (glacial acetic acid, for example).

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ones																_		
ne is								STICS										
cause							1	Polyetry, Pale *	/ '				Pla	Stic Dissipa	Pulsone Active Online			
		18cm	Tic Colexion					Meth		, \		\	/. 'S		To Acr			
			COL	/	. \		Oscarbon	Popula	ento	Olypropy,	Polysty,	PPS (R)		"COje	Por	Onie	Terion, SAN	
			10 10	1 C)	20 No	22/1/2	Ton droit	a city	one (2001	10/10/1	1		9/3/10	Ti, Ti,	2 10		2
	Acetic	С	30,	*	*	9/	77	*	10	ク*	<i>*</i> ★	7 ₆ \	ツ *	*	%	*	0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
ı	Aqua Regia	C		*	*			*	•	*	*	J		*	J	↑	J	0
ı	Chromic	C			*	*		*	*	*	*		0	*		0	*	0
G	Hydrochloric	C	*	0	*	O		*	*	*	*	*	•	*	0	*	· •	0
ACIDS	Hydrofluoric	C	-T-	D	T	*		-T	*	*	0	*	0	*	*	*		0
⋖	Nitric	C		*	*	*		*	*	*	*	∓		*	O	*		0
ı	Phosphoric	C		-,-	*	0		0	*	0	.,. D	0),	0	*	•	0
ı	Sulfuric	C	*	*	*	0		*	*	0	*	*	*	*	*	*	0	0
8	Ammonium Hydroxide	С		0	*	Ō	0		*	0	Ō		Ò	*	Ō	*	0	0
E	Potassium Hydroxide	C			0	O	D	•	O	J	O		*	*	O	*	J	0
CAUSTICS	Sodium Hydroxide	С		0	*	0	*	*	*	0	•	0	•	*	0	*		0
	Air	0	0	0	0	0	0	O	0	0	0	O	0		0	0	0	0
	Ammonia	C,F,T	•		*	•	0	•	•	0	•		*	0	0	*		0
	Argon	Α	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Carbon Dioxide	Α	•		*	O	0	О	*	0	•	0	0	*	0	*		0
	Carbon Monoxide	F,T			*	0	0			D		0	*	0	*		0	
	Chlorine	C,T			•	•	•	0	•	•	•		•	•	•	*		0
GASES	Flourine	C,0,T	0		*		•	•	•		•		0	•	•	*		•
GAS	Helium	Α	0	0	*	0	0	0	0	0		0	0	*	0	*	0	0
ı	Hydrogen	A,F			*	0	0	О	D				*	*	0	•		О
	Hydrogen Sulfide	C,F,T	•		*		•	•	*		•		•	*		*		0
	Methane	A,F			*	•	0		0				0	*		*		0
	Nitrogen	A	0	0	0	0	0	0	0	0	0		0	0	0	•		0
	Nitrous Oxide	0	_		*	_)		0		•		О	*		0		0
	Ozone	0	0		0	0		•	0		,		0			O		0
- (0	Propane Persylide	A,F	\sim		O	0	0)	0	.4.		\sim	0	*	0	*		0
OXF DANTS	Hydrogen Peroxide	0	0	0	*	0	•	0	O	*	*	0	•	•	*	*		0
	Sodium Hypochlorite Ammonium Nitrate	0	0	О	*	0		0	*	0	*	<u>)</u>	0	*	0	*	0	0
SALTS	Ammonium Persulfate		0		*	0		0	*	0	*	0	0	*	0	*	0	0
SA	Sodium Carbonate		*	0	*	0	0	0	O	0	*	0	*	*	0	*	0	0
	Acetone	F		•		•	0	•	•	9	0	•	*		•	•	•	0
	Carbon Tetrachloride	T	•	•		•			•	•	•	•	Ö	•		*		0
	DI Water		0	O	0	0	0	0	0		0		Ö	0	0	Ó	0	O
	Ethyl Alcohol	F	Ō))	Ō	Ō)	*		*		Ō)	Ō	Ō)	Ō
2	Ethylene Glycol				*	0	0	0	D	0	D	0	*	*	0	*		0
SOLVENTS	Glycerine		•		*	0	0	0	D		•	0	*	*	0	*	0	0
ŠOL	Isopropyl Alcohol	F)	•	0	•	0	*		*			•	0	*		0
-0)	Kerosene	F	•	0	*	•	0	*	*		•		*	•	0	*		0
	Methyl Alcohol	F,T	•	•	*	0	0	D	*		*		O	•	0	*	•	0
	Methyl Ethyl Ketone	F	•		•	•	•	•	•	•	*	•	*	•	•	•	•	0
	Toluene	F	•	•	•	•	0	•	•	•	•	•	*	•	•	*	•	0
	Trichloroethane	Α				•	•	•	O		D			•	0	0	0	0



Chemical Compatibility Chart: Rubber & Synthetics

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IUI	umon	ently to the pure substance			·		. ,							
		RUBBER	& SY	NTHE	TICS									
							2/2		\backslash					
				Rained Rube, Oren, Wirie Oron, Doon Con, City										
		R	N COD MORION PUBLS PRODUCT STITUTE ACONO, SOON CONSTITUTION											
		Burn	21/5/2	ON TO	Ton The	They DI	My My	1/6 100	20/	Silicon	no to	ion		
		Acetic		0	*	*	*		•	•		*		
		Aqua Regia	•	Þ	D	•	*	*	•	•	•	*		
		Chromic	•	•	•	•	•	•	•	•	•	*		
	ACIDS	Hydrochloric		*	*	0	*)	•	•	•	*		
	PC	Hydrofluoric	•	•)	*	•	O	•	•	•	*		
		Nitric Phosphoric	•	*	*		*	*	•			*		
		Sulfuric	*	*	*	*	*	•				*		
ł	8	Ammonium Hydroxide	0	0	0	*	*	0	•	0	0	•		
	CAUSTICS	Potassium Hydroxide	•	0	0	O	Ò	O	•	•	•	•		
	CAL	Sodium Hydroxide	*	•	0	0	*	0	•	•	0	*		
		Air	0	0	0	0	0	О	0	0	0	0		
		Ammonia	•	0	•	•	0	0		0	•	•		
		Argon	0	0	0	0	0	0	0	0	O	O		
	S	Carbon Dioxide	*	*	*	*	*	*			*	*		
		Carbon Monoxide Chlorine		0			*	*		,	0	*		
		Flourine	•	0			•					*		
	GASES	Helium	0	0	0	0	*	0	0	0	0	Ö		
	G	Hydrogen	0		0	*	*			O	D	*		
		Hydrogen Sulfide	•	•	•	•	•			•	•	*		
		Methane	O	•	Þ	•	*				•	*		
		Nitrogen	0	0	0	О	*	О		0	0	*		
		Nitrous Oxide	0	_	_		•				_	*		
		Ozone	•	O	0	•	*				0	*		
	g	Propane Hydrogen Peroxide	•	*		•	•	0		•	*	*		
	OXI- DANTS	Sodium Hypochlorite	•	<i>T</i>	*		*	9	•		T	*		
ľ	ေ	Ammonium Nitrate	0	0	O	•	•	0	•	0)	*		
	SALT	Ammonium Persulfate	0	Þ	0	0	*	0	•	0	•	*		
	S)	Sodium Carbonate	0	0	0	0	*		•	Þ	0	*		
		Acetone	•	0	•	•	*	*	•	•	•	•		
		Carbon Tetrachloride))	•	•	*	*	0	~	•	*		
		DI Water	0	0	0	0	O	\circ	•	0	0	0		
	တ	Ethyl Alcohol Ethylene Glycol)	0	0	0	*	0	•))	*		
	EN	Glycerine	0	0	0	0	*	0	•	0	0	*		
	SOLVENTS	Isopropyl Alcohol	•	0	0	0	*	0	•	0	0	*		
	S	Kerosene	0	•	•	•	•	0	•	•	•	*		
		Methyl Alcohol		0	0	0	*	0	•	0	•	*		
		Methyl Ethyl Ketone	•	0	•	*	•	•	Þ	•	•	•		
		Toluene	•	•	•	•	*	*	D	•	•	*		
		Trichloroethane	•	•	•	•	*	*	•		•	0		