

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

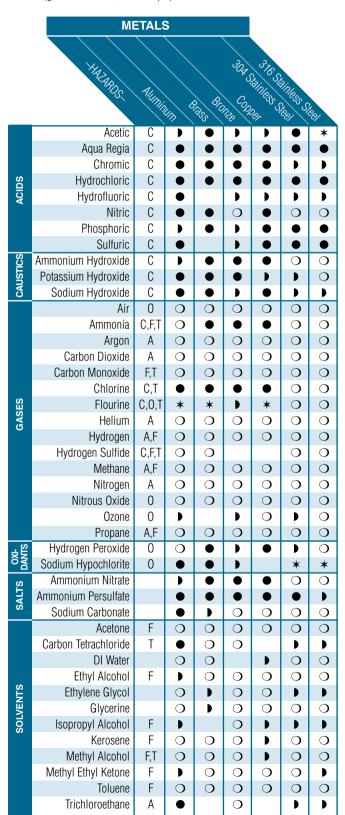
O = Oxidizer

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).

Hazards (Only the primary or are shown. For example, chlorin not shown as an asphyxiant bec its toxicity will kill you first).

Α	=	Asphyxiant (gases and
		vapors only)

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- = Severe effect or degradation, exposure not recommended.

one	S	PLASTICS																	
ine is															7 .c	Pulsone Active Online			
ecause								1	National *					PUC. Sta	/03	Ton			
			ACT,		\ '				Tethy		, ,			1,38	24.	Acr.			
				COP		/		Off Car	Poly	Confe	0/10	201	120		CO	TON!	Onir	Coffee	
				Tic Colexion	30 C	OL NO	22/1	ools carbon	3 61/1	6	OND ON	Polysty	PPS (R)	7	9/1/2	(T)	2 10	Tellon, L	
		A 1' -		S. /			4/	M	.00	16	クト	16	76	(h)	~	0	(y) \	W	%
		Acetic	Ü	•	*	*	0			•	*	•	0	*		0		О	J
		Aqua Regia	C			- 111	- 11		- 1	- 11	.4.	•		•	•		0	-1-	0
	10	Chromic	C C	•		*	*		*	*	*	*	- Ju	0	*		○ *	*	0
	ACIDS	Hydrochloric Hydrofluoric	C	*	0	*) *	•	*	*	*	*	*	0	*	○ *	*	О	0
	ă	Nitric	C		*	*	*		*	*	*	*	* •	•	*	· *	*		0
		Phosphoric	C		1	*	O.		O	*	↑)	•	0		→	0	*		0
		Sulfuric	C	*	*	*	0		*	*	0	*	*	*	*	*	*	0	0
-	ά	Ammonium Hydroxide	C	T	<u>т</u>	*	0	0	Τ	*	0	<u>т</u>	不	\tilde{O}	*	<u> </u>	*	0	0
	саиѕпсѕ	Potassium Hydroxide	C	,	9	O	0	D		O	9	0		*	*	0	*		0
	Ř	Sodium Hydroxide	C		0	*	0	*	*	*	0		0		*	0	*		0
	$\ddot{}$	Air	0	0	0	Ō	0	Ò	O	Ò	0	0	0	0	Ö	0	Ò	0	0
		Ammonia	C,F,T	•		*)	0	•		0)		*	Ō	Ō	*		O
		Argon	Α	0	0	0	0	0	0	0	0	0	0	O	0	O	O	0	0
		Carbon Dioxide	Α			*	0	0	0	*	0	•	0	Ō	*	0	*		0
		Carbon Monoxide	F,T			*	0	0		*		D		0	*	0	*		0
		Chlorine	C,T			•	•	•	0	•	•	•		•	•	•	*		0
	ES	Flourine	C,0,T	0		*		•	•	•		•		0	•	•	*		•
	GASES	Helium	Α	0	0	*	0	0	0	0	0	•	0	0	*	0	*	0	0
		Hydrogen	A,F			*	0	0	О	D		D		*	*	O	D		О
		Hydrogen Sulfide	C,F,T	•		*		•	•	*		Þ		Þ	*		*		0
		Methane	A,F			*	•	0		0		D		0	*		*		0
		Nitrogen	Α	0	0	О	0	0	0	0	0	0		0	0	0	•		0
		Nitrous Oxide	0			*		•		0		•		О	*		0		О
		Ozone	0	0		0	0	•	•	0		•			•		0		0
		Propane	A,F			0	0	0	•	0		•		0	*	0	*		0
ķ	DANTS	Hydrogen Peroxide	0	0	0	*	0	•	0	0	*	*	0	•	•	*	*		0
	<u>'</u> 8	Sodium Hypochlorite	0	•	0	*	0	•	•	*	0	*	0	•	*	0	*	О	0
	ST.	Ammonium Nitrate		0		*	0	•	0	*	0	*	0	0	*	0	*	0	O
	SALTS	Ammonium Persulfate		0	_	*	0	•	_	*	_	*	_	0	*	0	*	0	0
_		Sodium Carbonate		*	0	*	0	0	0	0	0	*	0	*	*	0	*	0	0
SOLVENTS		Acetone Carbon Tetrachloride	F T		•	•	•	0	•	•		0	•	*	•	•	•	•	0
		DI Water		0)	0	0	0	0	0	•	0	•	0	•	0	*	\sim	0
		Ethyl Alcohol	F	0	•		0	0		*		*		0	•	0	0))))
	ပ	Ethylene Glycol	Г		•	*	0	0	0	•	0	→	0	*	*	0	*		0
	E E	Glycerine				*	0	0	0	-	9	,	0	*	*	0	*	0	0
	OEV	Isopropyl Alcohol	F	_	D	•	0	•	0	*		*	5	T	•	0	*	J	0
	တ်	Kerosene	F	•	0	*		0	*	*		•		*	,	0	*		0
		Methyl Alcohol	F,T	•		*	0	0	T	*		*		O		0	*		0
		Methyl Ethyl Ketone	F F			•		•		•	,	*	•	*			•		0
		Toluene	F		•	•	•	0	•		•	•	•	*			*	•	0
		Trichloroethane	A		_		•	•	•	0		•		,	•	0	0	0	0
		omoroomano	_ ^`												_)		J



Chemical Compatibility Chart: Rubber & Synthetics

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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RUBBER & SYNTHETICS (ELASTOMERS)											
						0,	NINI Alcol				
						AR					
			1	Natural Rue		1	2/2				
	Burn		1/2	Alifal Rue	Nego,	1	Alco		Silico	\ \ \	
	477	3/1/3	ON THOS	3/07 4	16er 11	370 111	1/6	6/	Silicon	1/2 /	ton
	Acetic	•	0	*	*	*		•	•	•	*
	Aqua Regia	•	D	D	•	*	*	•	•	•	*
	Chromic	•	•	•	•	•	Þ	•	•	•	*
ACIDS	Hydrochloric		*	*	0	*	Þ	•	•	•	*
AC.	Hydrofluoric	•	•	•	*	•	0	•	•	•	*
	Nitric	•	*	*	•	•	*	•	•	•	*
	Phosphoric	•	•	•	•	*	*	•	•	•	*
(0	Sulfuric	*	*	*	*	*	•	•	0	0	*
CAUSTICS	Ammonium Hydroxide	0	0	0	*	*	0	•	0	0	
AUS	Potassium Hydroxide	•	0	0	0	0	0	•)	•
Ö	Sodium Hydroxide	*)	0	0	*	0	•)	0	*
	Ammonio	0	0	0	0	0	0	0	0	0	0
	Ammonia	0	0	•	•	0	0	0	0		0
	Argon Carbon Dioxide	*	○ *	*) *	*) *	0	0) *	*
	Carbon Monoxide	↑	↑	* •	•	*	*			↑	*
	Chlorine	•	0			^	•		,		*
တ္ယ	Flourine	•	0								*
GASES	Helium	0	0	0	0	*	0	0	0	0	O
g	Hydrogen	0	9	0	*	*	9	•	0)	*
	Hydrogen Sulfide	•	•)					•		*
	Methane	0	•	•	•	*				•	*
	Nitrogen	0	0	0	0	*	0		0	0	*
	Nitrous Oxide	0				•					*
	Ozone	•	0	0	•	•				0	*
	Propane	0	•		•	*				•	*
-£	Hydrogen Peroxide	•	*	•	•	•	0	•	•	*	*
OXI- DANTS	Sodium Hypochlorite		D	*		*		•	D	D	*
LTS	Ammonium Nitrate	0	0	0	•	•	0	•	0	•	*
SALT	Ammonium Persulfate	0	D	0	О	*	0	•	0	•	*
0)	Sodium Carbonate	0	0	0	0	*		•	•	0	*
	Acetone	•	0	•	•	*	*	•	•		•
	Carbon Tetrachloride))	•	•	*	*	0	_	•	*
	DI Water	0	0	0	0	0		•	0	0	0
(O	Ethyl Alcohol		0	0	0	*	0	•)	*
SOLVENTS	Ethylene Glycol	0	0	0	0	*	0)	0	*
Ž	Glycerine	0	0	0	0	*	0)	0	0	*
SO	Isopropyl Alcohol		0	0	0	*	0		0	0	*
	Kerosene Mathyl Alcahal	0	•		•	•	0)	0		*
	Methyl Alcohol Methyl Ethyl Ketone		0	0	0	*	0	1	0	•	*
	Toluene	•	<u> </u>		*	*	*)	•	•	*
	Trichloroethane					*	*	•			$\overline{\circ}$
	momoroculane	•		_		_	1	•			•