

TRIVOREX®: Examples of usage ratios

Trivorex® neutralizing absorbent permits to handle safely chemical product spills and leaks. It avoids the risk of confusion by indicating the hazard, neutralizes acid-base corrosive products and makes it possible to convert the majority of the usual corrosives into non-hazardous waste.

Chemical product	Example of concentration (% by weight)	Quantity of Trivorex® required to absorb 1L of chemical	Quantity of Trivorex® required to absorb and fully neutralize the acid-base corrosivity of 1L of chemical
THE ACIDS			
HF Hydrofluoric acid	10%	1 kg	1 kg
	40%	1.5 kg	1.7 kg
H ₂ SO ₄ Sulfuric Acid	30%	1.9 kg	1.9 kg
	98%	1.9 kg	4.4 kg (and 1.5 L of Le Vert *)
HCl Hydrochloric Acid	10%	1.6 Kg	1.6 Kg
	37%	2.5 kg	2.8 kg
HNO ₃ Nitric Acid	20%	1.8 kg	2 kg
	65%	2.6 kg	3.5 kg (and 0.3L of Le Vert *)
Acetic acid	10%	1.2 kg	1.2 kg
	100%	2 kg	3.5 kg (and 2 L of Le Vert *)
H ₃ PO ₄ Phosphoric acid	20%	1 kg	1 kg
	85%	3.3 kg	5 kg (and 0.5 L of Le Vert *)
Iron(III) chloride FeCl ₃	10%	1.4 kg	1.4 kg
	25%	1.5 kg	2.2 kg (and 0.25 L of Le Vert *)
Aqua regia (HNO ₃ 1 / HCl 3)	10%	1.9 kg	1.9 kg
	30%	2.5 kg	3 kg
THE BASES			
Ammonia NH ₄ OH	10%	1 kg	1 kg
	32%	1.5 kg	2.5 kg (and 1 L of Le Vert *)
Potassium hydroxide KOH	10%	1.1 kg	1.1 kg
	50%	2 kg	4 kg (and 1.5 L of Le Vert *)
Caustic soda NaOH	10%	1.6 Kg	1.6 Kg
	50%	1.8 kg	4 kg (and 1 L of Le Vert *)
Slaked lime	saturated (10 times the sat)	0.9 kg	0.9 kg
OTHER CHEMICAL PRODUCTS			
Hydrogen peroxide H ₂ O ₂	32%	3 kg	No neutralization of the oxidizing character
POCl ₃	100%	1.6 Kg	8 kg (and 2 L of Le Vert *)
Phenol	100%	2 kg	No acid-base character to neutralize
LiPF ₆ in an organic solvent	12% (1 M)	1.7 kg	1.7 kg (neutralization of the acid character of HF which forms in the presence of moisture)
Toluene	100%	1.6 Kg	No acid-base character to neutralize
Various solvents	100%	1.8 kg	No acid-base character to neutralize
Various aqueous liquids	100%	0.8 kg	No acid-base character to neutralize

On average **1kg of Trivorex® neutralizing absorbent absorbs 0.6L of chemical.**

The amount of Trivorex® required to achieve a total neutralization then depends on the concentration of the chemical.

*For more information on the chemical decontaminant Le Vert and Trivorex® neutralizing absorbent please visit www.environnement.prevor.com

So that a chemical accident remains an incident