



Instructions for use

Neutralizing absorbent for chemical spills

1. When should TRIVOREX® neutralizing absorbent be used?

TRIVOREX® neutralizing absorbent is an absorbing and neutralizing powder manufactured by the PREVOR laboratory. TRIVOREX® absorbs liquid chemical spills and neutralizes acid or basic corrosives.

2. How to use TRIVOREX® neutralizing absorbent

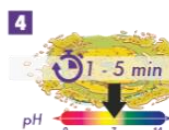


1. Preliminary recommendations:
 - a. Ventilate the room and isolate the hazardous zone.
 - b. Use personal protective equipment (boots, goggles and gloves) and first aid equipment (DIPHOTERINE® or HEXAFLUORINE® solutions eyewashes or sprays)

2. Pour TRIVOREX® neutralizing absorbent around the spill

3. Cover the liquid with TRIVOREX® neutralizing absorbent

4. Leave it for five minutes. The absorbent turns pink in contact with an acid and blue with a base. In contact with an acid, the neutralization causes a slight effervescence, which is consisted of CO₂ only. The mixture turns yellow again once the acid or base has been neutralized.



5. Special case of highly concentrated chemicals: If the final residue remains pink or blue, then the spilled chemical is highly concentrated. To neutralize it completely, spray SAFUREX® chemical decontaminant on the resulting mixture and then add TRIVOREX®. Alternate these two operations until a yellow mixture is obtained.

6. Collect, store and dispose of the solidified residue in accordance with the regulations in force. (See waste management section)

Protocol for products reacting with water (e.g. POCl₃, PCl₃...): To neutralize these chemicals: Wear PPE suitable for acids and along with an anti-gas mask. Absorb the spilled liquid with TRIVOREX®. The waste formed will solidify but will remain reactive. Then gently add SAFUREX® chemical decontaminant to the resulting mixture. This will trigger the neutralization of the chemical and may cause the release of acidic vapours. The acid formed will be neutralized by TRIVOREX®. Alternate the addition of TRIVOREX® and SAFUREX® until a yellow neutralized waste is obtained.



3. Caution

- 1- When used on concentrated bleaching agents or chlorinated oxidizing agents (sodium hypochlorite $\geq 9.6\%$), and if **TRIVOREX®** absorbent is added in too little quantity (less than 1 kg of **TRIVOREX®** per liter of chemical), the neutralization reaction can lead to a rapid exothermic reaction with emission of chloramines in the form of gas. These products are similar to the agents found in swimming pools after chlorine treatment. To protect yourself from the danger, wear a suitable gas mask and ventilate the room as much as possible. This reaction does not occur with diluted bleach.
- 2- The neutralization of acids produces carbon dioxide CO₂. Ventilate the room when using **TRIVOREX®** absorbent.
- 3- The neutralization reaction of concentrated acids or bases can cause the temperature of the mixture to rise.
- 4- Like all absorbents, **TRIVOREX®** has no effect on the toxicity of the products: the final residue is no longer a corrosive acid or base however may retain its toxicity (e.g. HF, HCN).
- 5- In the event of a slight absorption of moisture, **TRIVOREX®** may solidify and turn slightly brown; its effectiveness is not significantly diminished.
- 6- The use of **TRIVOREX®** neutralizing absorbent on basic cyanide salts may result in a low emission of hydrogen cyanide (HCN) gas. These basic cyanide salts are rare chemicals but are very dangerous. It is possible to use **TRIVOREX®** on these chemicals by wearing a gas mask adapted to cyanides. In the event of a lack of control or in case of doubt, we recommend that you ask for a preliminary assessment from the Prevor laboratory.

4. Waste management

After neutralization by the **TRIVOREX®** absorbent, some chemicals have become completely non-hazardous and can therefore be disposed of as non-hazardous waste (nhw) in accordance with European regulations. The list of these declassifiable chemicals is available free of charge on the website www.environnement.prevor.com. The produced waste can be disposed of with the waste code 15 02 03.

If the neutralized chemical is not on this list, the waste must be treated as hazardous waste using waste code 15 02 02*. The absorption residue must be collected, stored and processed with all precautions necessary for handling the spilled chemical. Do not disperse the residue in the environment and dispose of it as chemical waste.

The packaging of **TRIVOREX®** neutralizing absorbent can be recycled according to the applicable sorting regulations.

5. Storage instructions

- Store in the original packaging, close tightly and keep away from moisture.
- Place **TRIVOREX®** neutralizing absorbent in an easily accessible area near danger zones.
- **TRIVOREX®** has no expiry date.

