# What is hydrogen fluoride / hydrofluoric acid? Which gloves are recommended against this chemical?

Hydrogen fluoride corresponds to a very toxic chemical. When pure or at high concentrations, it can cause the loss of limbs or even the death of the end-user, due to the propagation of the gangrene.

## Identification

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| Hydrogen Fluoride | Purest, gaseous form |
| Hydrofluoric acid | Solution in water, highly corrosive |
| Anhydrous HF | Purest Liquid form possible = 99% |

## Risks

Contact poison
Skin burn, Tissue death
Accumulation of Fluorine in the blood can result in cardiac arrest

## Role of a PPE

Before selecting any PPE, a basic assessment must be made to identify and evaluate the risk. Where possible, the risk must be reduced or eliminated by a modification of workplace practice. This option is always to be preferred to the use of PPE

## Recommendations

Emphasize on eliminating risks before thinking about PPE.
No recommendations to be made for direct contact / immersion.
No indications on usage time in application or reuse of gloves will be given.

Ansell has based the recommendations hereby on an extensive set of permeation breakthrough tests following EN and ASTM standards. If you wish to receive a detailed presentation, please contact your Ansell representative.

Anhydrous HF
ChemTek™ 38-520, ChemTek™ 38-628
Consider double gloving

HF, 60%
ChemTek™ 38-514, 38-520, ChemTek™ 38-628

Scorpio® 08-352 and 08-354, Neotop® 29-500, Neoprene 29-865, Barrier® 02-100 *

HF, 48%
ChemTek™ 38-514, 38-520, ChemTek™ 38-628

Scorpio® 08-352 and 08-354, Bi-Colour® 87-900, Neotop® 29-500, Neoprene 29-865, Barrier® 02-100*

HF, 10%
ChemTek™ 38-514, 38-520, ChemTek™ 38-628

Scorpio® 08-352 and 08-354, Bi-Colour® 87-900, ChemiPro , Neoprene 29-865, Neotop® 29-500, Barrier® 02-100*

DermaShield® 73-701, 73-711, 73-721 (disposable), NeoTouch® 25-101, 25-201 (disposable)

* Offers no mechanical protection, therefore, this glove should be combined with an over-glove