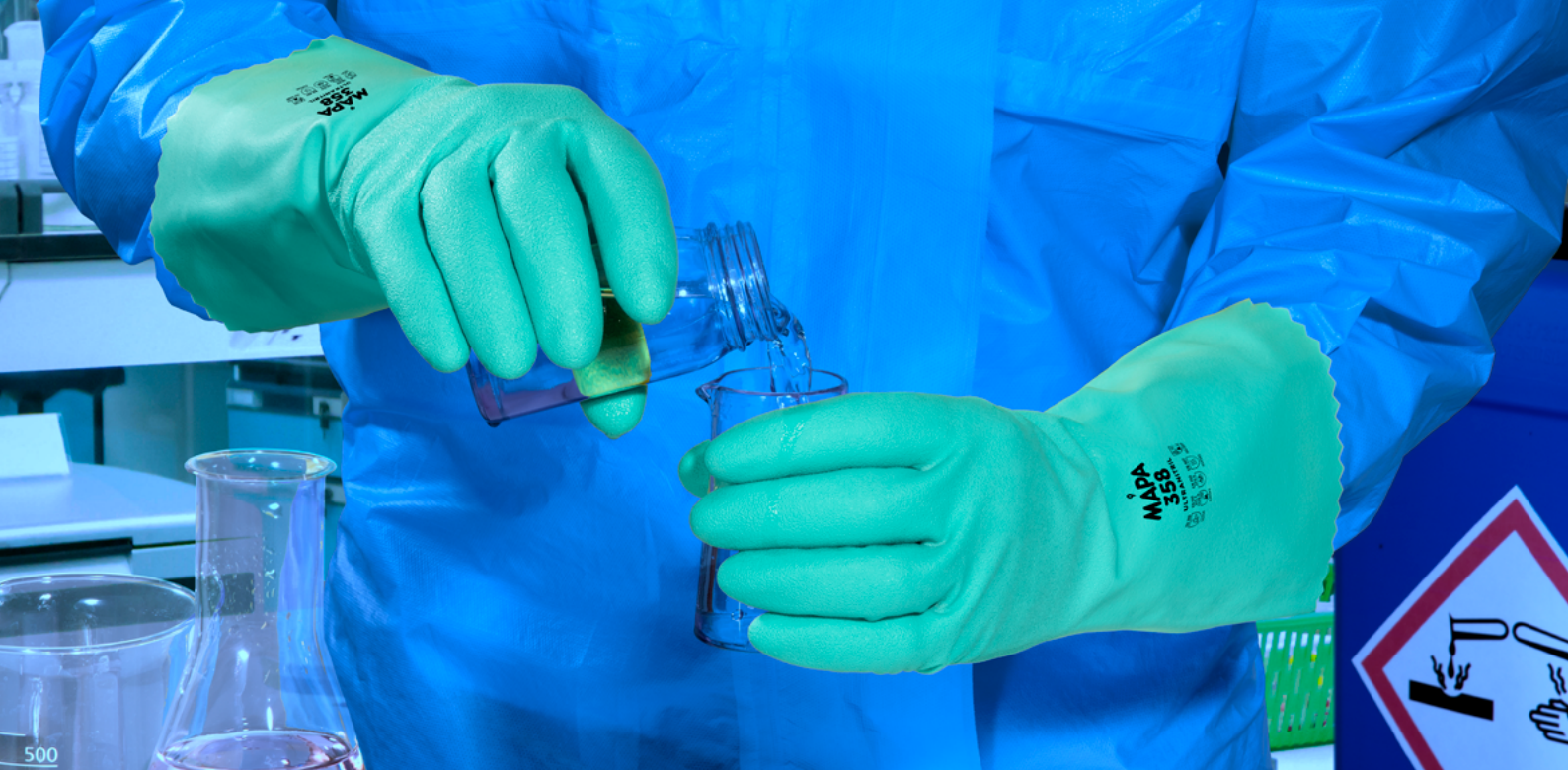




CHEMICAL PROTECTION SELECTION GUIDE

**Around 30% of legitimate occupational illnesses
would be of chemical origin.**

Source: INRS

CHEMICAL INDUSTRY

PHARMACEUTICALS

**MAINTENANCE
AND HYGIENE**

FOOD INDUSTRY

CONSTRUCTION

AUTOMOTIVE INDUSTRY



mapa-pro.com

MAPA[®]
PROFESSIONAL

The future is
in our hands

MAPA[®] PROFESSIONAL CHEMICAL PROTECTIVE GLOVES - SELECTION GUIDE

Choosing the right glove depends on multiple factors: the chemical substance and its concentration, the type of contact, the wear time, and any additional protection that may be required. Below is a selection of gloves suitable for the given risks.

OIL AND SOLVENTS														
Exposure	Oil 		Hydrocarbon 				Trichloroethylene Dichloromethane 		Xylene, Toluene Benzene 		Acetone MEK / MIBK 		Mix Acetone/ Toluene 	
			 J				 D		 F		 B		 F + B	
SPLASHES low exposure Chemical contact <30 min	 997 Disposable Nitrile	 977 Disposable Nitrile	 999 Disposable Nitrile	 977 Disposable Nitrile			 493 Nitrile	 260 Natural latex		 299 Natural latex	 339 Neoprene* Textile support			
LOW exposure Chemical contact <60 min	 980 Disposable Nitrile					 980 Disposable Nitrile	 480 Nitrile				DID YOU KNOW? Every mixture of chemical products multiplies the risks. Ask your Mapa Expert for professional advice!			
MEDIUM exposure Chemical contact 60 min - 240 min	 472 Nitrile	 475 Nitrile	 519 Nitrile			 468 Fluoroelastomer								
HIGH exposure Chemical contact >240 min	 492 Nitrile	 458⁽¹⁾ Nitrile	 381 Nitrile Textile support	 358⁽¹⁾ Nitrile Textile support	 480 Nitrile	 485 Nitrile	 458⁽¹⁾ Nitrile	 358⁽¹⁾ Nitrile Textile support	 344 Fluoroelastomer Textile support		 651 Butyl		 652 Butyl	

CORROSIVE CHEMICALS													
Exposure	Ammonia 		Alkalis, Detergents 				Hydrofluoric Acid (HF)  			Concentrated Acids (except HF) 			
	 O		 K				 S (40%)		50%-100%		 L, M, N		
SPLASHES low exposure Chemical contact <30 min	 999 Disposable Nitrile		 995 Disposable Natural latex						 420 Neoprene* Natural latex		 994	 985 Disposable Triopolymer: natural latex, neoprene*, nitrile Length : 29 cm	 124 Natural latex 
LOW exposure Chemical contact <60 min	 472 Nitrile	 475 Nitrile	 997 Disposable Nitrile	 977 Disposable Nitrile	 980 Disposable Nitrile	DID YOU KNOW? 0.20 mm thickness, with a 30 cm extended cuff offering strong resistance and enhanced chemical protection		 341 Neoprene* Natural latex Textile support		 410 Nitrile and PVC Textile support	 405 Neoprene* Natural latex 	 351 PVC Textile support	
MEDIUM exposure Chemical contact 60 min - 240 min	 495 Nitrile	 492 Nitrile	 458⁽¹⁾ Nitrile	 175 Natural latex 	 115 Natural latex	 117 		 517 Triopolymer: natural latex, neoprene*, nitrile				 420 Neoprene* Natural latex	 382 Neoprene* Textile support
HIGH exposure Chemical contact >240 min	 493 Nitrile	 358⁽¹⁾ Nitrile Textile support	 415 Neoprene* Natural latex	 260 Natural latex	 301 Natural latex 	 401 Neoprene* Natural latex	 420 Neoprene* Natural latex	 339 Neoprene* Textile support	 407 Neoprene*			 650 Butyl Textile support	



STANDARD EN ISO 374-1

PROTECTIVE GLOVES AGAINST CHEMICALS

The EN ISO 374-1 chemical standard classifies chemical gloves into **3 categories** and is based on three tests: **penetration, permeation and degradation tests**.

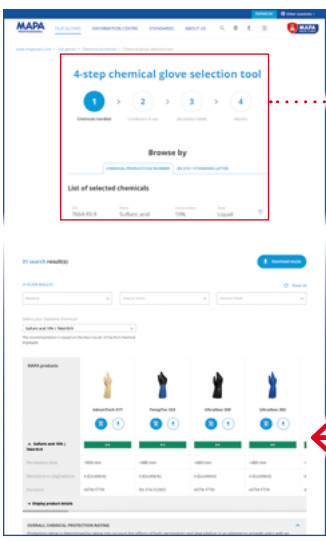
ONE PICTOGRAM AND THREE TYPES OF GLOVES

Type of gloves	Requirement	Marking (example)
Type A	Penetration resistance (EN ISO 374-2) + Breakthrough time ≥ 30 min for at least 6 chemicals in the new list (EN 16523-1)	EN ISO 374-1 / Type A  AJKLPR
Type B	Penetration resistance (EN ISO 374-2) + Breakthrough time ≥ 30 min for at least 3 chemicals in the new list (EN 16523-1)	EN ISO 374-1 / Type B  JKL
Type C	Penetration resistance (EN ISO 374-2) + Breakthrough time ≥ 10 min for at least 1 chemical in the new list (EN 16523-1)	EN ISO 374-1 / Type C 

More information about the standard on www.mapa-pro.com > Standards

ONE GLOVE DOESN'T FIT ALL CHEMICALS

Different environments present different risks and each material reacts differently to chemical exposure. Using the wrong glove can result in rapid degradation, permeation, and ultimately serious hand injury. **Mapa Professional offers a complete range of chemical protection gloves to match every need.**



FIND THE PERFECT CHEMICAL GLOVE SOLUTION



4 EASY STEPS TO FIND THE OPTIMAL PROTECTIVE GLOVE MATCH FOR YOUR CHEMICAL RISK.

- 1 Select up to 4 Chemicals you handle
- 2 Specify your conditions of use
- 3 Identify your secondary needs
- 4 Display & refine recommendations

➡ Browse product data and download the results!

Scan here to test it!

