

# PROTECTION AND DEXTERITY



CATEGORY III CERTIFICATION

STC996E - REV 4 - 13 09 04

**CE 0334**

## SOLO ULTRA 996 - 997 - 999

CE-Type Examination Certificates

**SOLO ULTRA 996 : 0075/014/162/08/04/0153**

**SOLO ULTRA 997 : 0075/014/162/08/04/0152**

**SOLO ULTRA BLUE 997 : 0075/014/162/08/04/0152 EX 01 08 04**

**SOLO ULTRA 999 : 0075/014/162/08/04/0152 EX 02 08 04**

**issued by the approved body nr. 0075**

C.T.C - F-69367 LYON CEDEX 07

**Certificate of conformity of the Quality Assurance System**

**issued by the approved body nr. 0334**

ASQUAL - 14, rue des Reculettes - F-75013 PARIS

These gloves conform to the provisions of Directive 89/686/EEC for protection against chemicals and micro-organisms within the limit of the recommendations hereafter.

57, rue de Villiers - B.P. 190  
92205 NEUILLY SUR SEINE Cedex - France  
Tél : (33) 1 49.64.22.00 - Fax : (33) 1 49.64.24.29

[www.mapa-professionnel.com](http://www.mapa-professionnel.com)

MAPA (U.K.) Ltd  
Unit A - Halesfield 14 - TELFORD TF7 4QR  
Tel (01) 952.684.487 / Fax (01) 952 580 959

**MAPA**<sup>®</sup>  
PROFESSIONNEL

# SOLO ULTRA 996 - 997 – 999

## DESCRIPTION AND GENERAL PROPERTIES

Liquidproof gloves made of **nitrile rubber**.

**Guaranteed natural latex free.**

**Ambidextrous** design.

**Smooth** external surface with **textured finger tips**.

**Beaded** cuff end.

Conform to the FDA (Food and Drug Administration) regulation for **food contact**.

Thickness (in palm area) : **0.10 mm** (nominal value)

Reference	Colour	Surface Treatment	Length for all sizes (in cm)*	Sizes available
SOLO ULTRA 996	White	Bio-absorbable powder	24,5	6 - 6 ½
SOLO ULTRA 997 41	White	Chlorination	24,5	7 - 7 ½
SOLO ULTRA 997 43	Blue			8 - 8 ½
SOLO ULTRA 999	White	Chlorination	30	9 - 9 ½

\* nominal value

Standard packaging :

- **100 gloves in printed cardboard box**
- **10 boxes per carton**

## "CE"-TYPE EXAMINATION RESULTS



**LIQUIDPROOF GLOVES**  
According to EN 374 standard



**PROTECTION AGAINST MICRO-ORGANISMS**  
According to EN 374 standard

AQL (Acceptable Quality Level): **1.5%**

See splash degradation guide hereafter.

These gloves are not designed for long duration contact nor immersion in chemicals, nor for protection against mechanical hazards.

# **SOLO ULTRA 996 - 997 – 999**

## **SPECIFIC ADVANTAGES**

- Excellent dexterity thanks to flexibility and reduced material thickness.
- Easy to put on and to take off.
- Protection of the hand as well as handled products.
- Recommended for persons sensitized to natural rubber proteins.
- For food handling.

## **MAIN FIELDS OF USE**

- Food processing.
- Laboratory works.
- Preparation of pharmaceuticals.
- Small parts assembly.
- Precision electronics in aeronautics.
- Graphics arts.
- Photography.

## **INSTRUCTIONS FOR USE**

For enhanced safety and service life of the gloves :

- Store the gloves in their original packaging protected from direct sunlight, far from heat sources.
- It is not recommended to persons sensitized to dithiocarbamates to use these gloves.
- Put the gloves on dry, clean hands.
- Position the cuff over the garment to prevent penetration of a liquid.
- These gloves are designed for single use only.
- Do not touch the external side of the gloves when taking them off. Fold back the cuff end and pull them off while turning them inside out.

# SOLO ULTRA 996 - 997 – 999

## CHEMICAL SPLASH DEGRADATION GUIDE

These gloves may be used for protection against splashes.  
They are not designed for prolonged chemical contact or immersion in chemicals.  
Avoid contact with ketonic solvents.

CHEMICAL	CAS Nr	Permeation Breakthrough Time (minutes)	Degradation Weight change (%)
Acetic Acid 50%	64-19-7	34	F
Acetic Acid (Glacial) 99.7%	64-19-7	3.7	NT
Acetone	67-64-1	0.5	P
Acetonitrile	75-05-8	1	NT
Aliphatic solvent	64742-53-6	> 480	E
Ammonium Hydroxide 28-30%	1336-21-6	13	E
Amyl Alcohol	71-41-0	68.9	NT
Benzene	71-43-2	0.8	P
n-Butanol	71-36-3	40.7	NT
Carbon tetrachloride	56-23-5	3.3	NT
Dichloromethane (Methylene Chloride)	75-09-2	0	P
Diethylamine	109-89-7	1	NT
Dimethylsulfoxide (DMSO)	67-68-5	21	NT
1,4-Dioxane	123-91-1	1.7	NT
Ethanol 85-92%	64-17-5	11.2	NT
Formic Acid 95-97%	64-18-6	3.1	NT
Hydrochloric Acid 37%	7647-01-0	60	E
Hydrofluoric Acid (Hydrogen fluoride) 48%	7664-39-3	10	E
Hydrogen Peroxide 30%	7722-84-1	> 480	E
Kerosene (mixture)	8008-20-6	228.1	E
Methanol	67-56-1	3.6	G
Mineral Spirits (mixture) (C-10 - C-13 Isoalkanes)	68551-17-7	107	E
Nitric Acid 50%	7697-37-2	27	P
Petroleum Ether (V&P Naphta)	8032-32-4	9.5	E
Phenol 50%	108-95-2	3	NT
Phenol (saturated)	108-95-2	NT	P
Phosphoric acid 85%	7664-38-2	> 480	E
2-Propanol (Isopropanol)	67-63-0	29.5	G
Sodium Hydroxide 50%	1310-73-2	> 480	E
Sodium Hypochlorite 5%	10022-70-5	> 480	NT
Sulfuric acid 50%	7664-93-9	> 480	E
Toluene	108-88-3	0.8	P
Unleaded gasoline (mixture)	8006-61-9	2.5	P
Xylene	1330-20-7	1.8	P

### Permeation according to ASTM F739

NT = Not Tested

### Degradation according to ASTM D471\*

Weight change : Performance rating :

0 - 10% E : Excellent

11 - 20% G : Good

21 - 30% F : Fair

Over 30% P : Poor

\*one minute contact of the external surface of the glove followed by four minutes stay without wiping or blotting the glove. The weight change percentage is recorded after repeating this process one, five and ten times.