EN



# MaxiChem®

SECURE SAFETY™

ATG® Intelligent Glove Solutions

## NBR

*MaxiChem® 76-830*

*MaxiChem® Cut™ 76-833*

### USE (CHEMICAL RESISTANT GLOVES WITH MECHANICAL PROPERTIES)

**Chemical resistant glove for SECURE SAFETY™ in wet or chemical environments.**

Performance levels relate to the palm area of the glove.

### WARNING

**Do not use these gloves to protect against serrated edges or blades or naked flames. The gloves shall not be worn when there is a risk of entanglement by moving parts of machines.**

Please ensure that if you are working with chemicals that the gloves have the chemical pictogram printed on the glove and are suitable for the chemical that you are exposed to. Further information about chemical permeation levels can be found at www.atg-glovesolutions.com.

| Chemical | CAS | Permeation (breakthrough time) | Degradation rate (DR) | Standard Diviation (SD) |
|---|---|---|---|---|
| **MaxiChem® 76-830** | | | | |
| **J - n-Heptan** | 142-82-5 | 3 (60min) | 14% | 4% |
| **K - 40%Sodium hydroxide** | 1310-73-2 | 6 (>480min) | 2% | 4% |
| **L - 96% Sulphuric acid** | 7664-93-9 | 2 (30 min) | 29% | 14% |
| **M - 65% Nitric acid** | 7697-37-2 | 6 (>480 min) | 24% | 9% |
| **N - 99% Acetic acid** | 64-19-7 | 3 (60 min) | 22% | 9% |
| **O - 25% Ammonia** | 1336-21-6 | 6 (>480 min) | 17% | 14% |
| **MaxiChem® Cut™ 76-833** | | | | |
| **J - n-Heptan** | 142-82-5 | 3 (60min) | -9% | 15% |
| **K - 40%Sodium hydroxide** | 1310-73-2 | 6 (>480min) | -2% | 6% |
| **L - 96% Sulphuric acid** | 7664-93-9 | 3 (60 min) | 17% | 15% |
| **M - 65% Nitric acid** | 7697-37-2 | 6 (>480 min) | 20% | 9% |
| **N - 99% Acetic acid** | 64-19-7 | 3 (60 min) | 8% | 9% |
| **O - 25% Ammonia** | 1336-21-6 | 6 (>480 min) | -3% | 2% |

**Degradation:** may alter one or more of the glove characteristics due to contact with chemical(s).
**Penetration:** is the movement of a "chemical" and/or micro-organism through porous materials, seams, pinholes or other imperfections in a protective glove material at a non-molecular level.
**Permeation:** Breakthrough of a chemical through the material of the protective glove at the molecular level.

This information does not reflect the actual duration of protection in the workplace and the differentiation between mixtures and pure chemicals.The chemical resistance has been assessed under laboratory conditions from samples taken from the palm only and relates only to the chemical tested. It can be different if the chemical is used in a mixture. It is recommended to check that the gloves are suitable for the intended use because the conditions at the workplace may differ from the type test depending on temperature, abrasion and degradation.
When used, protective gloves may provide less resistance to the dangerous chemical due to changes in physical properties. Movements, snagging, rubbing, degradation caused by the chemical contact etc. may reduce the actual use time significantly. For corrosive chemicals, degradation can be the most important factor to consider in selection of chemical resistant gloves. Before usage, inspect the gloves for any defect or imperfections. After use or contact with hazadous substances the gloves has to be disposed according to local regulations.
**Only intended for single use!**

**Donning:** Wash and dry your hands completely before donning the gloves. Before use, inspect the gloves for any defects or imperfections and avoid wearing damaged, heavily soiled, worn or dirty (also internally) glove of any substance, this could irritate and/or infect the skin and cause dermatitis. In this event, seek medical advice from the company doctor or consult a dermatologist. Ensure the gloves fit well.
**Doffing:** When removing your gloves, place the fingertips into the palm of the other glove. Pull the glove until almost off. Repeat on the other hand. With both gloves almost off shake both hands to remove the gloves fully.

### EXPLANATION OF THE PICTOGRAMS

**EN ISO 21420:2020**
General requirements
(risk category, sizing, marking, labelling, etc.)
Information supplied by the manufacturer in the user notice

ABCDEF

**EN 388:2016+A1:2018**
Mechanical Hazards
A: Abrasion resistance - number of rubs (Level 0-4)
B: Blade cut resistance - Coupe Test - Index (Level 0-5)*
C: Tear resistance - N (Level 0-4)
D: Puncture resistance N (Level 0-4)
E: TDM Cut resistance according to ISO 13997 - N (Level A-F)
F: Impact protection according to EN 13594:2015 - Y/N (P=Yes)

Type*

**EN ISO 374-1:2016+A1:2018**
Protective gloves against dangerous chemical risks
Protective gloves which form a protective barrier to dangerous chemicals
***Type A** - The permeation performance shall be at least level 2 against a minimum of six test chemicals.
***Type B** - The permeation performance shall be at least level 2 against minimum of three test chemicals.
***Type C** - The permeation performance shall be at least level 1 against minimum of one test chemical.

**Permeation - performance levels:**

| 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| <10min | >10min | >30min | >60min | >120min | >240min | >480 min |

**EN ISO 374-5:2016**
Protective gloves against microorganisms
Protective gloves which form a protective barrier to microbiological agents. **Not tested against viruses.**

**Production date**
MM/YYYY

**Expiry date**
MM/YYYY

*Higher values stand for better protection/resistance. If "X" is marked as a performance level the test is either not applicable or not proceeded. Puncture resistance should not be confused with piercing exerted by thin tips or needles.*

**coupe test results are only indicative while the TDM cut resistance test (ISO13997) is the reference performance result.*

### CONSTITUANTS / ALLERGIES

Some gloves may contain ingredients which are known to be a possible cause of allergies in sensitive persons who may develop irritant and/or allergic contact reactions. If an allergic reaction should occur seek medical advice immediately.
SHOULD YOU REQUIRE MORE INFORMATION ABOUT POTENTIAL ALLERGIC SUBSTANCES WITH OUR GLOVES PLEASE CONTACT ATG® OR YOUR LOCAL DISTRIBUTER.

### CARE INSTRUCTIONS

**Storage/Cleaning:**
Store the gloves in their original packaging in a cool and dry place.
Keep away from direct sunlight, heat, flame and sources of Ozone. MaxiChem® are not designed to be washed as they are for chemical resistance. Gloves can be used until the expiry date displayed on the glove stamp. Glove life time in use is based on wear, abrasion and for gloves according to ISO 374-1:2016+A1:2018 the breakthrough time for the chemicals used.
**Disposal/Waste:**
Used gloves may be contaminated with infectious or hazardous substances.
Dispose of according to the Local Authority/Municipality Regulations, landfill or incinerate under controlled conditions.

### WARRANTY/LIMITATION OF DAMAGES

ATG® warrants that this product shall be in accordance with ATG® standard specifications as of the date of delivery to authorized distributors. Except to the extent prohibited by law, this warranty is in line of all warranties, including any warranty of fitness for a particular purpose; ATG® liability shall be limited to the purchase price of the product at issue. Buyers and users of this product are deemed to have accepted the terms of this limitation of warranty, which may not be varied by any verbal or written agreement.

# MaxiChem®

SECURE SAFETY™

ATG® Intelligent Glove Solutions

## NRL

*MaxiChem® 76-730*
*MaxiChem® Cut™ 76-733*

### USE (CHEMICAL RESISTANT GLOVES WITH MECHANICAL PROPERTIES)

**Chemical resistant glove for SECURE SAFETY™ in wet or chemical environments.**

Performance levels relate to the palm area of the glove.

### WARNING

**Do not use these gloves to protect against serrated edges or blades or naked flames. The gloves shall not be worn when there is a risk of entanglement by moving parts of machines.**
Please ensure that if you are working with chemicals that the gloves have the chemical pictogram printed on the glove and are suitable for the chemical that you are exposed to. Further information about chemical permeation levels can be found at www.atg-glovesolutions.com.

| Chemical | CAS | Permeation (breakthrough time) | Degradation rate (DR) | Standard Diviation (SD) |
|---|---|---|---|---|
| **MaxiChem® 76-730** | | | | |
| K - 40%Sodium hydroxide | 1310-73-2 | 6 (>480min) | -2% | 2% |
| L - 96% Sulphuric acid | 7664-93-9 | 4 (>120 min) | 9% | 12% |
| M - 65% Nitric acid | 7697-37-2 | 6 (>480 min) | 14% | 5% |
| N - 99% Acetic acid | 64-19-7 | 3 (>60 min) | 10% | 6% |
| O - 25% Ammonia | 1336-21-6 | 6 (>480 min) | -3% | 15% |
| P - Hydrogen peroxide | 7722-84-1 | 6 (>480 min) | 5% | 5% |
| **MaxiChem® Cut™ 76-733** | | | | |
| K - 40%Sodium hydroxide | 1310-73-2 | 6 (>480min) | -6% | 4% |
| L - 96% Sulphuric acid | 7664-93-9 | 4 (>120 min) | 5% | 3% |
| M - 65% Nitric acid | 7697-37-2 | 6 (>480 min) | 9% | 2% |
| N - 99% Acetic acid | 64-19-7 | 4 (>120 min) | -2% | 10% |
| O - 25% Ammonia | 1336-21-6 | 6 (>480 min) | -4% | 5% |
| P - Hydrogen peroxide | 7722-84-1 | 6 (>480 min) | 5% | 10% |

**Degradation:** may alter one or more of the glove characteristics due to contact with chemical(s).
**Penetration:** is the movement of a "chemical" and/or micro-organism through porous materials, seams, pinholes or other imperfections in a protective glove material at a non-molecular level.
**Permeation:** Breakthrough of a chemical through the material of the protective glove at the molecular level.

This information does not reflect the actual duration of protection in the workplace and the differentiation between mixtures and pure chemicals.The chemical resistance has been assessed under laboratory conditions from samples taken from the palm only and relates only to the chemical tested. It can be different if the chemical is used in a mixture. It is recommended to check that the gloves are suitable for the intended use because the conditions at the workplace may differ from the type test depending on temperature, abrasion and degradation.
When used, protective gloves may provide less resistance to the dangerous chemical due to changes in physical properties. Movements, snagging, rubbing, degradation caused by the chemical contact etc. may reduce the actual use time significantly. For corrosive chemicals, degradation can be the most important factor to consider in selection of chemical resistant gloves. Before usage, inspect the gloves for any defect or imperfections. After use or contact with hazadous substances the gloves has to be disposed according to local regulations.
**Only intended for single use!**

**Donning:** Wash and dry your hands completely before donning the gloves. Before use, inspect the gloves for any defects or imperfections and avoid wearing damaged, heavily soiled, worn or dirty (also internally) glove of any substance, this could irritate and/or infect the skin and cause dermatitis. In this event, seek medical advice from the company doctor or consult a dermatologist. Ensure the gloves fit well.
**Doffing:** When removing your gloves, place the fingertips into the palm of the other glove. Pull the glove until almost off. Repeat on the other hand. With both gloves almost off shake both hands to remove the gloves fully.



### EXPLANATION OF THE PICTOGRAMS

**EN ISO 21420:2020 -** General requirements
(risk category, sizing, marking, labelling, etc.)
Information supplied by the manufacturer in the user notice

ABCDEF

**EN 388:2016+A1:2018** - Mechanical Hazards
A: Abrasion resistance - number of rubs (Level 0-4)
B: Blade cut resistance - Coupe Test - Index (Level 0-5)*
C: Tear resistance - N (Level 0-4)
D: Puncture resistance N (Level 0-4)
E: TDM Cut resistance according to ISO 13997 - N (Level A-F)
F: Impact protection according to EN 13594:2015 - Y/N (P=Yes)

Type*

**EN ISO 374-1:2016+A1:2018 -**
Protective gloves against dangerous chemical risks
Protective gloves which form a protective barrier to dangerous chemicals
***Type A** - The permeation performance shall be at least level 2 against a minimum of six test chemicals.
***Type B** - The permeation performance shall be at least level 2 against minimum of three test chemicals.
***Type C** - The permeation performance shall be at least level 1 against minimum of one test chemical.

**Permeation - performance levels:**

| 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| <10min | >10min | >30min | >60min | >120min | >240min | >480 min |

**EN ISO 374-5:2016 -** Protective gloves against microorganisms
Protective gloves which form a protective barrier to microbiological agents. **Not tested against viruses.**

ABCDEF

**EN 407:2020** - Thermal Hazards (Heat/Fire)
A: Flammability (0-4)
B: Contact heat (0-4)
C: Convective heat (0-4)
D: Radiant heat (0-4)
E: Small splashes of molten metal (0-4)
F: Large quantities of molten metal (0-4)

**Production date**
MM/YYYY

**Expiry date**
MM/YYYY

**Food Contact**
Sign shows suitablity for direct or indirect food contact. Please visit **www.atg-glovesolutions.com** to determine the suitability by food.

*Higher values stand for better protection/resistance. If "X" is marked as a performance level the test is either not applicable or not proceeded. Puncture resistance should not be confused with piercing exerted by thin tips or needles. *coupe test results are only indicative while the TDM cut resistance test (ISO13997) is the reference performance result.*

### CONSTITUANTS / ALLERGIES

Some gloves may contain ingredients which are known to be a possible cause of allergies in sensitive persons who may develop irritant and/or allergic contact reactions. If an allergic reaction should occur seek medical advice immediately.
SHOULD YOU REQUIRE MORE INFORMATION ABOUT POTENTIAL ALLERGIC SUBSTANCES WITH OUR GLOVES PLEASE CONTACT ATG® OR YOUR LOCAL DISTRIBUTER.

LATEX THE GLOVE CONTAINS NATURAL RUBBER LATEX (NRL).

### CARE INSTRUCTIONS

**Storage/Cleaning:** Store the gloves in their original packaging in a cool and dry place. Keep away from direct sunlight, heat, flame and sources of Ozone. MaxiChem® are not designed to be washed as they are for chemical resistance. Gloves can be used until the expiry date displayed on the glove stamp. Glove life time in use is based on wear, abrasion and for gloves according to ISO 374-1:2016+A1:2018 the breakthrough time for the chemicals used.
**Disposal/Waste:** Used gloves may be contaminated with infectious or hazardous substances. Dispose of according to the Local Authority/Municipality Regulations, landfill or incinerate under controlled conditions.

### WARRANTY/LIMITATION OF DAMAGES

ATG® warrants that this product shall be in accordance with ATG® standard specifications as of the date of delivery to authorized distributors. Except to the extent prohibited by law, this warranty is in line of all warranties, including any warranty of fitness for a particular purpose; ATG® liability shall be limited to the purchase price of the product at issue. Buyers and users of this product are deemed to have accepted the terms of this limitation of warranty, which may not be varied by any verbal or written agreement.