

Instructions for Cleaning and Disinfecting in a Washing Machine

Vautex Elite and Vautex SL+

Chemical Protective Suit Type 1a EN 943-2:2002



MSA AUER GmbH,
D-12059 Berlin
Thiemannstrasse 1,

Germany

© MSA AUER GmbH. All rights reserved

Contents

1	Cleaning	4
1.1	Cleaning the Protective Suit in a Washing Machine.....	4
1.2	Preparations for Cleaning when Using a Washing Machine with a Drum Diameter of More Than 43 cm.....	4
1.3	Preparations for Cleaning when Using a Washing Machine with a Drum Diameter of Less Than 43 cm	4
1.4	Steps to Carry Out after Loading.....	5
2	Disinfection	5
2.1	Preparations for Disinfection when Using a Washing Machine with a Drum Diameter of More Than 43 cm.....	5
2.2	Preparations for Disinfection when Using a Washing Machine with a Drum Diameter of Less Than 43 cm	6
2.3	Steps to Carry Out after Loading.....	6
3	After Cleaning and Disinfection	7
4	Ordering Information	7

1 Cleaning

1.1 Cleaning the Protective Suit in a Washing Machine

Cleaning and disinfection may only be carried out using the laundry detergent:
Ecolab Eltra® 40, in powder form



The use of cleaning and disinfection materials not permitted by MSA can damage the protective suit and can destroy its protective properties.

Observe instructions and material safety data sheet of the detergent. Follow the dosage instructions given for the detergent.

Observe the washing machine operating manual. The ideal liquor ratio is 1:5, meaning 1 kg laundry to 5 l water.



Attention!

Depending on degree of soiling, the program *CSA special* may have to be run several times.

1.2 Preparations for Cleaning when Using a Washing Machine with a Drum Diameter of More Than 43 cm

- (1) Spread the protective suit flat on its back on the floor.
- (2) Check if the zipper is completely closed, if necessary close it completely.
- (3) Disassemble the outer gloves:
 - ▷ Pull off cuff tube.
 - ▷ Pull off outer glove.
- (4) Remove the additional antifog lens from the suit and store safely (→ chapter 5.9 Operating Manual Chemical Protective Suit).
- (5) Slip protective cover over head part.



Attention!

Place foam cushion on the lens side and fix it with the string.

- (6) Fold head part down on breast part.
- (7) Fold legs over head part.
- (8) Fold arms over head part.
- (9) Place protective suit in laundry net.
- (10) Load protective suit into washing machine.

1.3 Preparations for Cleaning when Using a Washing Machine with a Drum Diameter of Less Than 43 cm

- (1) Spread the protective suit flat on its back on the floor.
- (2) Check if the zipper is completely closed, if necessary close it completely.
- (3) Disassemble the outer gloves:
 - ▷ Pull off cuff tube.
 - ▷ Pull off outer glove.
- (4) Remove the additional antifog lens from the suit and store safely (→ chapter 5.9 Operating Manual Chemical Protective Suit).
- (5) Slip protective cover over head part.

**Attention!**

Place foam cushion on the lens side and fix it with the string.

- (6) Place protective suit boots first in washing machine.
- (7) Adjust boots on drum floor.
- (8) Fold protective suit like an accordion.
- (9) Place head part with protective cover on suit.

**Attention!**

Observe the minimum load of the washing machine. If the minimum load is not reached, the protective suits could unfold and get damaged during washing!

1.4 Steps to Carry Out after Loading

- (1) Choose program.
- (2) Dose laundry detergent according to the following table:

Detergent	Use	Concentration	Temperature	Soaking time
Ecolab Eltra® 40	Cleaning	Put 8 g/l into soap dispenser	40 °C	12 minutes

- (3) Start program.

**Warning!**

Cleaning the chemical protective suits according to these instructions is a surface level cleaning and not a decontamination of the protective suit. If any contaminants are present on the suit's surface, it has to be considered if these substances may be discharged into the public sewage system.

2 Disinfection**2.1 Preparations for Disinfection when Using a Washing Machine with a Drum Diameter of More Than 43 cm**

- (1) Spread the protective suit flat on its back on the floor.
- (2) Check if the zipper is completely opened, if necessary open it completely.
- (3) Disassemble the outer gloves:
 - ▷ Pull off cuff tube.
 - ▷ Pull off outer glove.
- (4) Remove the angled prechambers and valve discs of the suit valves (→ chapter 5.3 Operating Manual Chemical Protective Suit) and unbutton the rucksack reinforcement. Disinfect these components separately.
- (5) Remove the additional antifog lens from the suit and store safely (→ chapter 5.9 Operating Manual Chemical Protective Suit).
- (6) Slip protective cover over head part.

**Attention!**

Place foam cushion on the lens side and fix it with the string.

- (7) Fold head part down on breast part.
- (8) Fold legs over head part.
- (9) Fold arms over head part.

- (10) Place protective suit in laundry net.
- (11) Load protective suit into washing machine.

2.2 Preparations for Disinfection when Using a Washing Machine with a Drum Diameter of Less Than 43 cm

- (1) Spread the protective suit flat on its back on the floor.
- (2) Check if the zipper is completely opened, if necessary open it completely.
- (3) Disassemble the outer gloves:
 - ▷ Pull off cuff tube.
 - ▷ Pull off outer glove.
- (4) Remove the angled prechambers and valve discs of the suit valves (→ chapter 5.3 Operating Manual Chemical Protective Suit) and unbutton the rucksack reinforcement. Disinfect these components separately.
- (5) If applicable, remove the additional antifog lens from the suit and store safely (→ chapter 5.9 Operating Manual Chemical Protective Suit).
- (6) Slip protective cover over head part.



Attention!

Place foam cushion on the lens side and fix it with the string.

- (7) Place protective suit boots first in washing machine.
- (8) Adjust boots on drum floor.
- (9) Fold protective suit like an accordion.
- (10) Place head part with protective cover on suit.



Attention!

Observe the minimum load of the washing machine. If the minimum load is not reached, the protective suits could unfold and get damaged during washing!

2.3 Steps to Carry Out after Loading

- (1) Choose program.
- (2) Dose laundry detergent according to the following table:

Detergent	Use	Concentration	Temperature	Soaking time
Ecolab Eltra® 40 Disinfection	Put 8 g/l into soap dispenser	40 °C	20 minutes	

- (3) Start program.



Warning!

Disinfecting the chemical protective suits according to these instructions is a surface level cleaning and not a decontamination of the protective suit. If any contaminants are present on the suit's surface, it has to be considered if these substances may be discharged into the public sewage system.

3 After Cleaning and Disinfection

- (1) After completing the washing cycle, hang the opened protective suit to dry, for example by the boots .



Attention!

The protective suit and the removed parts must not be dried in radiant heat (e.g. sunlight, radiators) to prevent destroying the structure of the protective suit.

When using a drying cabinet, the temperature may not exceed 40°C.

- (2) After each use and cleaning/disinfection, perform a tightness test of the protective suit and its valves (→ chapter 5.2 Operating Manual Chemical Protective Suit).
- (3) Grease the zip (→ chapter 5.5 Operating Manual Chemical Protective Suit).
- (4) Re-insert additional antifog lens if applicable (→ chapter 5.5 Operating Manual Chemical Protective Suit).



Valves have to be checked for detergent residue and cleaned if necessary.

The operating manual for the chemical protective suit has to be observed and all necessary tests have to be carried out.



Warning!

Cleaning and disinfecting the chemical protective suits according to these instructions is a superficial cleaning and not a decontamination of the protective suit. If any contaminants are present on the suit's surface, it has to be considered if these substances may be discharged into the public sewage system.

4 Ordering Information

Description	Part-No.
CPS Protective cover for lens	10113655
Laundry net	74.12.06.02

MSA in Europe

[www.MSAsafety.com]

Northern Europe

Netherlands

MSA Nederland

Kernweg 20
1627 LH Hoorn
Phone +31 [229] 25 03 03
Fax +31 [229] 21 13 40
info.nl@MSAsafety.com

Belgium

MSA Belgium N.V.

Duwijckstraat 17
2500 Lier
Phone +32 [3] 491 91 50
Fax +32 [3] 491 91 51
info.be@MSAsafety.com

Great Britain

MSA (Britain) Limited

Lochard House
Linnet Way
Strathclyde Business Park
BELLSHILL ML4 3RA
Scotland
Phone +44 [16 98] 57 33 57
Fax +44 [16 98] 74 01 41
info.gb@MSAsafety.com

Sweden

MSA NORDIC

Kopparbergsgatan 29
214 44 Malmö
Phone +46 [40] 699 07 70
Fax +46 [40] 699 07 77
info.se@MSAsafety.com

MSA SORDIN

Rörläggarvägen 8
33153 Värnamo
Phone +46 [370] 69 35 50
Fax +46 [370] 69 35 55
info.se@MSAsafety.com

Southern Europe

France

MSA GALLET

Zone Industrielle Sud
01400 Châtillon sur
Chalaronne
Phone +33 [474] 55 01 55
Fax +33 [474] 55 47 99
info.fr@MSAsafety.com

Italy

MSA Italiana S.p.A.

Via Po 13/17
20089 Rozzano [MI]
Phone +39 [02] 89 217 1
Fax +39 [02] 82 59 228
info.it@MSAsafety.com

Spain

MSA Española, S.A.U.

Narcís Monturiol, 7
Pol. Ind. del Sudoeste
08960 Sant-Just Desvern
[Barcelona]
Phone +34 [93] 372 51 62
Fax +34 [93] 372 66 57
info.es@MSAsafety.com

Eastern Europe

Poland

MSA Safety Poland Sp. z o.o.

Ul. Wschodnia 5A
05-090 Raszyn k/Warszawy
Phone +48 [22] 711 50 00
Fax +48 [22] 711 50 19
info.pl@MSAsafety.com

Czech republic

MSA Safety Czech s.r.o.

Dolnojircanska 270/22b
142 00 Praha 4 - Kamyk
Phone +420 241440 537
Fax +420 241440 537
info.cz@MSAsafety.com

Hungary

MSA Safety Hungaria

Francia út 10
1143 Budapest
Phone +36 [1] 251 34 88
Fax +36 [1] 251 46 51
info.hu@MSAsafety.com

Romania

MSA Safety Romania S.R.L.

Str. Virgil Madgearu, Nr. 5
Ap. 2, Sector 1
014135 Bucuresti
Phone +40 [21] 232 62 45
Fax +40 [21] 232 87 23
info.ro@MSAsafety.com

Russia

MSA Safety Russia

Походный проезд д.14.
125373 Москва
Phone +7 [495] 921 1370
Fax +7 [495] 921 1368
info.ru@MSAsafety.com

Central Europe

Germany

MSA AUER GmbH

Thiemannstrasse 1
12059 Berlin
Phone +49 [30] 68 86 0
Fax +49 [30] 68 86 15 17
info.de@MSAsafety.com

Austria

MSA AUER Austria

Vertriebs GmbH

Modecenterstrasse 22
MGC Office 4, Top 601
1030 Wien
Phone +43 [0] 1 / 796 04 96
Fax +43 [0] 1 / 796 04 96 - 20
info.at@MSAsafety.com

Switzerland

MSA Schweiz

Eichweg 6
8154 Oberglatt
Phone +41 [43] 255 89 00
Fax +41 [43] 255 99 90
info.ch@MSAsafety.com

European

International Sales

[Africa, Asia, Australia, Latin
America, Middle East]

MSA Europe

Thiemannstrasse 1
12059 Berlin
Phone +49 [30] 68 86 0
Fax +49 [30] 68 86 15 58
info.de@MSAsafety.com

MSA in Europe

[www.MSAsafety.com]

Northern Europe

Netherlands

MSA Nederland

Kernweg 20
1627 LH Hoorn
Phone +31 [229] 25 03 03
Fax +31 [229] 21 13 40
info.nl@MSAsafety.com

Belgium

MSA Belgium N.V.

Duwijckstraat 17
2500 Lier
Phone +32 [3] 491 91 50
Fax +32 [3] 491 91 51
info.be@MSAsafety.com

Great Britain

MSA (Britain) Limited

Lochard House
Linnet Way
Strathclyde Business Park
BELLSHILL ML4 3RA
Scotland
Phone +44 [16 98] 57 33 57
Fax +44 [16 98] 74 01 41
info.gb@MSAsafety.com

Sweden

MSA NORDIC

Kopparbergsgatan 29
214 44 Malmö
Phone +46 [40] 699 07 70
Fax +46 [40] 699 07 77
info.se@MSAsafety.com

MSA SORDIN

Rörläggarvägen 8
33153 Värnamo
Phone +46 [370] 69 35 50
Fax +46 [370] 69 35 55
info.se@MSAsafety.com

Southern Europe

France

MSA GALLET

Zone Industrielle Sud
01400 Châtillon sur
Chalaronne
Phone +33 [474] 55 01 55
Fax +33 [474] 55 47 99
info.fr@MSAsafety.com

Italy

MSA Italiana S.p.A.

Via Po 13/17
20089 Rozzano [MI]
Phone +39 [02] 89 217 1
Fax +39 [02] 82 59 228
info.it@MSAsafety.com

Spain

MSA Española, S.A.U.

Narcís Monturiol, 7
Pol. Ind. del Sudoeste
08960 Sant-Just Desvern
[Barcelona]
Phone +34 [93] 372 51 62
Fax +34 [93] 372 66 57
info.es@MSAsafety.com

Eastern Europe

Poland

MSA Safety Poland Sp. z o.o.

Ul. Wschodnia 5A
05-090 Raszyn k/Warszawy
Phone +48 [22] 711 50 00
Fax +48 [22] 711 50 19
info.pl@MSAsafety.com

Czech republic

MSA Safety Czech s.r.o.

Dolnojircanska 270/22b
142 00 Praha 4 - Kamyk
Phone +420 241440 537
Fax +420 241440 537
info.cz@MSAsafety.com

Hungary

MSA Safety Hungaria

Francia út 10
1143 Budapest
Phone +36 [1] 251 34 88
Fax +36 [1] 251 46 51
info.hu@MSAsafety.com

Romania

MSA Safety Romania S.R.L.

Str. Virgil Madgearu, Nr. 5
Ap. 2, Sector 1
014135 Bucuresti
Phone +40 [21] 232 62 45
Fax +40 [21] 232 87 23
info.ro@MSAsafety.com

Russia

MSA Safety Russia

Походный проезд д.14.
125373 Москва
Phone +7 [495] 921 1370
Fax +7 [495] 921 1368
info.ru@MSAsafety.com

Central Europe

Germany

MSA AUER GmbH

Thiemannstrasse 1
12059 Berlin
Phone +49 [30] 68 86 0
Fax +49 [30] 68 86 15 17
info.de@MSAsafety.com

Austria

MSA AUER Austria

Vertriebs GmbH

Modecenterstrasse 22
MGC Office 4, Top 601
1030 Wien
Phone +43 [0] 1 / 796 04 96
Fax +43 [0] 1 / 796 04 96 - 20
info.at@MSAsafety.com

Switzerland

MSA Schweiz

Eichweg 6
8154 Oberglatt
Phone +41 [43] 255 89 00
Fax +41 [43] 255 99 90
info.ch@MSAsafety.com

European

International Sales

[Africa, Asia, Australia, Latin
America, Middle East]

MSA Europe

Thiemannstrasse 1
12059 Berlin
Phone +49 [30] 68 86 0
Fax +49 [30] 68 86 15 58
info.de@MSAsafety.com