Alpha Solway Ltd., Factory 1, Queensberry Street, Annan, Dumfriesshire. DG12 5BL
Telephone +44 (0) 1461 202 452 Fax. +44 (0) 1461 205 684

Ref. :- TF-EN 467-001, Issue 001, Revision 0 (NX 65) (D-1)

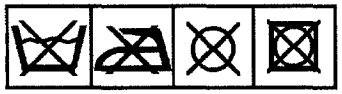
USER INFORMATION SHEET

Chemical Protective Clothing (Chemsol Plus)
Protection To Parts Of The Body

Chemical Breakthrough Times :- EN 467

Chemical	Cone (Wt%)	Breakthrough Time (min)	Classification
Hydrochloric Acid	10 30	>480	6
Acetic Acid	10 30	>480	6
Sodium Hydroxide	10 50	>480	6
Sodium Hypochlorite	ca. 14	>480	6
Sulphuric Acid	10 50	>480	6
Phenol / Sodium Hydroxide 1 : 1	40 : 40	>480	6

Wash Care Instructions :-



Non-Classified Mediums to EN 467

Ammonia Solution	7 mins	Methyl Ethyl Ketone	2 mins
Xylenes (mixed)	2 mins	Acetone	2 mins
Ethanol	6 mins	Unleaded Petrol	3 mins

Chemical Protective Clothing



Protection To Parts Of The Body

Additional Properties



Antistatic Properties
(Outer Fabric **Only** Tested To EN 1149)

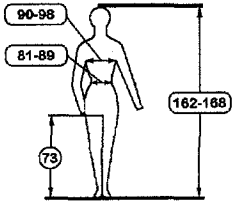


Limited Flame Spread
(Outer Fabric **Only** Tested To prEN 533)

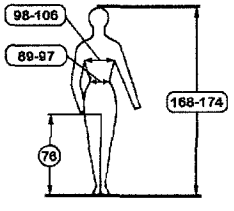
Indices 1/12X60

Standard And Bespoke Sizing Requirements

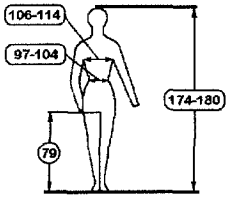
Alpha Solway Ltd. make the statement that manufacture of this garment is in sizes either bespoke for the individual or can be supplied as per normal sizing designations.



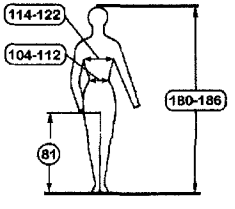
S



M



L



XL

Product Designation

This garment has been manufactured to meet the stringent demands of EN 467 : 1995.

Tested To EN 467 : 1995

Test results are obtainable from the manufacturer, from which the performance levels of the tested product can be ascertained.

***Explanation Of The Pictogram**

The pictogram of the 'beaker' indicates that this garment has been tested as Chemical Protective Clothing – Protection To Parts Of The Body – label designation applies.

***Explanation Of The Pictogram**

The pictogram of the 'lightning bolt' indicates that the coated facing of the fabric used in the construction of this garment has been tested to EN 1149.1, having **Antistatic Properties**.

***Explanation Of The Pictogram**

The pictogram of the 'flame' indicates that the outer fabric used in the construction of this garment has been tested in accordance with prEN 533, having **Limited Flame Spread Properties**.

The performance results for the material are :-

Limited Flame Spread Index :- 1
Durability Index :- 12X60

Application

This garment provides **Chemical Protection To Parts Of The Body**, in accordance with the requirements of EN 467 : 1995.

Wearers are advised that all closures, (zips, storm facing, etc.), should be secured before use.

For certain applications Approved Ancillaries such as Hoods, Boots, Gloves and Respiratory Equipment must be worn with this garment.

Alpha Solway Ltd. and it's distributors cannot accept responsibility for improper use of this garment.

Limitation On Use

This garment provides protection WITHIN THE APPLICATION of EN 467 as Chemical Protective Clothing – Protection To Parts Of The Body

The prEN 533 indices indicate only the Limited Flame Spread behaviour of the outer material used in the construction of the garment and **not** the performance of the garment construction itself.

The outer material used in the construction of the garment has a Limited Flame Spread Index of 1 and, as such, wearers are advised to use only over prEN 533 Index 2 or 3 material and do not use next to the skin.

While the outer fabric used in the construction of this garment has been tested for Antistatic and Limited Flame Spread Properties, the wearer is warned that the process of decontaminating the garment could adversely effect these properties.

Whilst use of a combination of such products can afford a degree of full body protection it is recommended that in areas where such protection is required a **one-piece suit** be worn.

Storage And Maintenance

It is recommended that the Wash Instructions as detailed on the care label are followed

The following information should also be noted and followed:-

1...It is recommended that the garment be RINSED DOWN ONLY to remove chemical contamination and allowed to drip dry well clear of continuous UV (Sunlight) or Artificial UV(Lighting) Sources.

2...This garment has been decontaminated in accordance with the care instructions a maximum of 25 times.

3...Store in a cool dry environment - always hang to avoid creases.

4...For safety, always check garment for Creases, Damage, Pin Tears or Holes prior to wear. If the material becomes torn, abraded or punctured, the wearer should discontinue use to avoid potential exposure to hazard.

Should you require any assistance or further technical information regarding this garment, please phone the Company at the telephone number provided and ask for the **Customer Services Manager.**

EC Type Examination Certificate

Issued By :-
SGS United Kingdom Ltd.,
SGS House, 217/221 London Road,
CAMBERLEY, Surrey. GU15 3EY.

EC Notified Body Number **0120**

Alpha Solway Ltd., Factory 1, Queensberry Street, Annan, Dumfriesshire. DG12 5BL
Telephone +44 (0) 1461 202 452 Fax. +44 (0) 1461 205 684

Ref. :-TF-EN 465-001, Issue 002, Revision 0 (NX 65) (D)

USER INFORMATION SHEET

Type 4 - Chemical Protective Suit (Chemsol Plus)

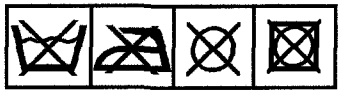
Chemical Breakthrough Times :- EN 465

Chemical	Cone (Wt%)	Breakthrough Time (min)	Classification
Hydrochloric Acid	10 30	>480	6
Acetic Acid	10 30	>480	6
Sodium Hydroxide	10 50	>480	6
Sodium Hypochlorite	ca. 14	>480	6
Sulphuric Acid	10 50	>480	6
Phenol / Sodium Hydroxide 1 : 1	40 : 40	>480	6

Chemical Protective Clothing

Type 4 - Spray Tight Protection

Wash Care Instructions :-



Non-Classified Mediums to EN 465

Ammonia Solution	7 mins	Methyl Ethyl Ketone	2 mins
Xylenes (mixed)	2 mins	Acetone	2 mins
Ethanol	6 mins	Unleaded Petrol	3 mins

Additional Properties

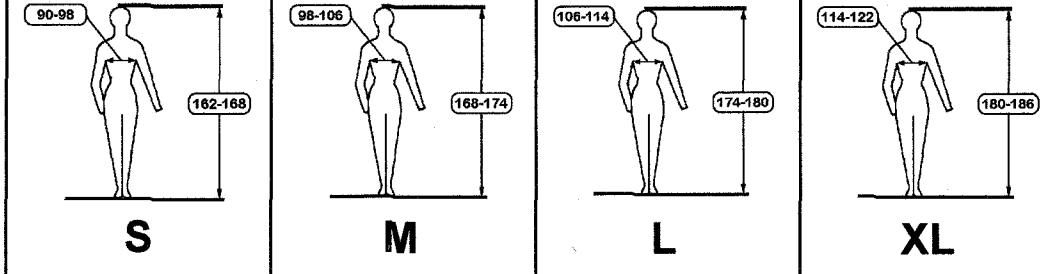
Antistatic Properties
(Outer Fabric **Only** Tested To EN 1149)

Limited Flame Spread
(Outer Fabric **Only** Tested To prEN 533)

Indices 1/12X60

Standard And Bespoke Sizing Requirements

Alpha Solway Ltd. make the statement that manufacture of this garment is in sizes either bespoke for the individual or can be supplied as per normal sizing designations.



Product Designation

This garment has been manufactured to meet the stringent demands of EN 465 : 1995.

Tested To EN 465 : 1995

Test results are obtainable from the manufacturer, from which the performance levels of the tested product can be ascertained.

***Explanation Of The Pictogram**

The pictogram of the 'beaker' indicates that this garment has been tested as Type 4 Chemical Protective Clothing - Spray Tight Clothing - label designation applies.

***Explanation Of The Pictogram**

The pictogram of the 'lightning bolt' indicates that the coated facing of the fabric used in the construction of this garment has been tested to EN 1149.1, having **Antistatic Properties**.

***Explanation Of The Pictogram**

The pictogram of the 'flame' indicates that the outer fabric used in the construction of this garment has been tested in accordance with prEN 533, having **Limited Flame Spread Properties**.

The performance results for the material are :-

Limited Flame Spread Index :- 1
Durability Index :- 12X60

Application

This garment provides **Type 4 - Spray Tight Protection,** in accordance with the requirements of EN 465 : 1995.

Wearers are advised that all closures, (zips, storm facing, etc.), should be secured before use.

If the garment is to be worn for long periods at high temperatures or high work rates then, due to the nature of the material, the wearer may experience some 'heat stress'.

For certain applications Approved Ancillaries such as Hoods, Boots, Gloves and Respiratory Equipment must be worn with this garment.

Alpha Solway Ltd. and it's distributors cannot accept responsibility for improper use of this garment.

Limitation On Use

This garment provides protection WITHIN THE APPLICATION of EN 465 as Type 4 - Spray Tight Clothing.

The prEN 533 indices indicate only the Limited Flame Spread behaviour of the outer material used in the construction of the garment and **not** the performance of the garment construction itself.

The outer material used in the construction of the garment has a Limited Flame Spread Index of 1 and, as such, wearers are advised to use only over prEN 533 Index 2 or 3 material and do not use next to the skin.

While the outer fabric used in the construction of this garment has been tested for Antistatic and Limited Flame Spread Properties, the wearer is warned that the process of decontaminating the garment could adversely effect these properties.

Where this garment has a collar it is recommended that the appropriate protective headgear be sought.

Storage And Maintenance

It is recommended that the Wash Instructions as detailed on the care label are followed.

The following information should also be noted and followed:-

1... It is recommended that the garment be RINSED DOWN ONLY to remove chemical contamination and allowed to drip dry well clear of continuous UV (Sunlight) or *Artificial UV(Lighting) Sources.*

2... This garment has been decontaminated in accordance with the care instructions a maximum of 25 times.

3... Store in a cool dry environment - always hang to avoid creases.

4... For safety, always check garment for Creases, Damage, Pin Tears or Holes prior to wear. If the material becomes torn, abraded or punctured, the wearer should *discontinue use to avoid potential exposure* to hazard.

Should you require any assistance or further technical information regarding this garment, please phone the Company at the telephone number provided and ask for the **Customer Services Manager.**

EC Type Examination Certificate

Issued By :-
SGS United Kingdom Ltd.,
SGS House, 217/221 London Road,
CAMBERLEY, Surrey. GU15 3EY.

EC Notified Body Number **0120**