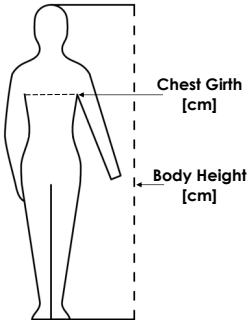







## PROTECTIVE CLOTHING AGAINST LIQUID CHEMICALS ["CHEMSOL" BOILERSUIT RANGE] - CLOTHING WITH LIQUID-TIGHT, [TYPE 3], AND SPRAY-TIGHT, [TYPE 4] CONNECTIONS.

CONFORMING TO THE REQUIREMENTS OF BS EN 14605:2005+A1:2009

### USER INFORMATION SHEET

INTRODUCTION		MATERIAL/GARMENT PERFORMANCE DATA [EN 14605]																																							
<ul style="list-style-type: none"> <li>These Chemsol garments are re-usable chemical protective clothing manufactured to meet the requirements of the PPE Directive 89/689/EEC, (and subsequent amendments), and the harmonized European Standard - EN 14605:2005+A1:2009.</li> <li>These Chemsol garments are manufactured under ISO 9001 quality control procedures.</li> <li>Bag and garment labels indicate product type/code.</li> <li>The determination of the suitability of Chemsol garments for the intended application should be made by trained and qualified safety personnel and is the users final responsibility.</li> </ul>		<table border="1"> <thead> <tr> <th>TEST</th> <th>STANDARD</th> <th>PERFORMANCE</th> <th>CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>Abrasion Resistance</td> <td>EN 530</td> <td>&gt; 2,000 Cycles</td> <td>Class 6</td> </tr> <tr> <td>Flex Cracking Resistance</td> <td>EN ISO 7854</td> <td>&gt; 100,000 Cycles</td> <td>Class 6</td> </tr> <tr> <td>Tear Strength [Trapezoidal]</td> <td>EN ISO 9073-4</td> <td>&gt; 40 N</td> <td>Class 3</td> </tr> <tr> <td>Tensile Strength</td> <td>EN ISO 13934-1</td> <td>&gt; 100 N</td> <td>Class 3</td> </tr> <tr> <td>Puncture Resistance</td> <td>EN 863</td> <td>&gt; 10 N</td> <td>Class 2</td> </tr> <tr> <td>Seam Strength</td> <td>EN ISO 13935-2</td> <td>&gt; 125 N</td> <td>Class 4</td> </tr> <tr> <td>Resistance To Penetration By Liquids [Type 4: Spray Test]</td> <td>EN ISO 17491-4</td> <td>PASS</td> <td>PASS</td> </tr> <tr> <td>Resistance To Penetration By Liquids [Type 3: Jet Test]</td> <td>EN ISO 17491-3</td> <td>PASS</td> <td>PASS</td> </tr> </tbody> </table>				TEST	STANDARD	PERFORMANCE	CLASSIFICATION	Abrasion Resistance	EN 530	> 2,000 Cycles	Class 6	Flex Cracking Resistance	EN ISO 7854	> 100,000 Cycles	Class 6	Tear Strength [Trapezoidal]	EN ISO 9073-4	> 40 N	Class 3	Tensile Strength	EN ISO 13934-1	> 100 N	Class 3	Puncture Resistance	EN 863	> 10 N	Class 2	Seam Strength	EN ISO 13935-2	> 125 N	Class 4	Resistance To Penetration By Liquids [Type 4: Spray Test]	EN ISO 17491-4	PASS	PASS	Resistance To Penetration By Liquids [Type 3: Jet Test]	EN ISO 17491-3	PASS	PASS
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<b>APPLICATION</b> <ul style="list-style-type: none"> <li>Chemsol protective clothing provides the wearer with protection against liquid chemicals, for a limited time.</li> <li>Chemsol garments will protect only those parts of the body that they cover.</li> <li>When these Chemsol garments are used in conjunction with other PPE, (e.g. Respirators, Gloves, Boots, Hoods, etc.), the connections should be sealed with a 'Chemical' tape.</li> </ul>		<p><b>Note 1:</b> Whole suit type testing, EN ISO 17491-4 &amp; EN ISO 17491-3, has been conducted with face, wrists, ankles and closures sealed with a 'Chemical' Tape.</p>																																							
<b>USAGE</b> <ul style="list-style-type: none"> <li>All PPE should be donned/doffed in an area away from any potential risk.</li> <li>Before use, the wearer should ensure that the clothing has been thoroughly cleaned, following any previous usage, and that the materials, seams and closures are inspected to ensure that the protection offered by the Chemsol garment will meet the conditions for safe use.</li> <li>When using this Chemsol garment with other PPE, (e.g. Respirators, Gloves, Boots, etc.), Ensure that any respirator being used is properly fitted prior to raising and fastening the Hood. Ensure that the Sleeves and Legs of the suit are worn over any Gloves or Boots being used.</li> <li>Before entering the hazardous area, all closures should be fastened and all openings/closures and connections, to other PPE, should be secured, using an appropriate 'Chemical' tape.</li> <li>In the event of leakage or damage to the Chemsol garment during use, the wearer should immediately leave the hazardous area and remove the garment.</li> <li>After use, to remove contamination, Chemsol clothing should be RINSED DOWN with cold water, and subsequently, allowed to Drip Line Dry, in the shade, clear of UV sources.</li> </ul>		<b>RESISTANCE TO PERMEATION BY LIQUIDS [EN 374-3]</b> <b>BREAKTHROUGH TIME [MINS.] / CLASSIFICATION [EN 14605]</b> <table border="1"> <thead> <tr> <th>CHEMICAL</th> <th>CONCENTRATION</th> <th>FABRIC</th> <th>SEAM</th> </tr> </thead> <tbody> <tr> <td>Sodium Hydroxide [NaOH]</td> <td>50 wt%</td> <td>&gt;480 mins. / Class 6</td> <td>&gt;480 mins. / Class 6</td> </tr> <tr> <td>Sulphuric Acid [H<sub>2</sub>SO<sub>4</sub>]</td> <td>98 wt%</td> <td>&gt;10 mins. / Class 1</td> <td>&gt;10 mins. / Class 1</td> </tr> </tbody> </table> <p><b>Note 2:</b> Other chemicals have been tested. Please contact supplier for further information.  <b>Note 3:</b> Breakthrough times on seams may be lower than on the fabric.  <b>Note 4:</b> All tests were performed independently and are a reflection of the performance of the 'as new' fabric only in controlled laboratory conditions. Results are not intended to give any idea of "safe use" for the garment.</p>				CHEMICAL	CONCENTRATION	FABRIC	SEAM	Sodium Hydroxide [NaOH]	50 wt%	>480 mins. / Class 6	>480 mins. / Class 6	Sulphuric Acid [H <sub>2</sub> SO <sub>4</sub> ]	98 wt%	>10 mins. / Class 1	>10 mins. / Class 1																								
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<b>WARNINGS</b> <ul style="list-style-type: none"> <li>Fabrics used in the construction of Chemsol garments have low air permeability and can cause heat stress. Frequent rest is advised.</li> <li>This Chemsol garment should be used by persons who are trained and aware of the dangers relating to the work being performed.</li> <li>Flammable material. Keep away from fire.</li> <li>If this Chemsol garment is damaged in any way, or is still contaminated after being rinsed down, its use should be discontinued and the garment disposed of at the earliest opportunity.</li> <li>When disposing of used chemical protective clothing, we recommend it be treated as harmful and disposed of as hazardous waste in accordance with national/local regulations.</li> </ul>		<b>GARMENT SIZES [REFER TO GARMENT SIZE LABEL]</b> <p>The following table reflects the dimensions of the four standard sizes. Alpha Solway Limited make the statement that they also manufacture garments to size designations out-with these standard sizes, (e.g. Extra Small, XX Large, XXX Large, etc.), and also provide their customers with the facility to order garments with dimensions to their own bespoke size.</p> <p>Select appropriate size for wearer's chest and height.</p> <table border="1"> <thead> <tr> <th>SIZE</th> <th>CHEST GIRTH [CM]</th> <th>BODY HEIGHT [CM]</th> </tr> </thead> <tbody> <tr> <td>S</td> <td>90-98</td> <td>162-168</td> </tr> <tr> <td>M</td> <td>98-106</td> <td>168-174</td> </tr> <tr> <td>L</td> <td>106-114</td> <td>174-180</td> </tr> <tr> <td>XL</td> <td>114-122</td> <td>180-186</td> </tr> </tbody> </table> 				SIZE	CHEST GIRTH [CM]	BODY HEIGHT [CM]	S	90-98	162-168	M	98-106	168-174	L	106-114	174-180	XL	114-122	180-186																					
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<b>MAINTENANCE</b> <ul style="list-style-type: none"> <li>It is recommended that the wash care instructions, as detailed on the care label, are followed.</li> <li>After use, to remove contamination, Chemsol clothing should be RINSED DOWN with cold water, and subsequently, allowed to Drip Line Dry, in the shade, clear of UV sources.</li> <li>Advice: For reasons of hygiene the garment should, preferably, be worn by the same person.</li> </ul>		<b>WASH CARE SYMBOLS [REFER TO GARMENT CARE LABEL]</b> 																																							
<b>STORAGE</b> <ul style="list-style-type: none"> <li>It is recommended that new Chemsol garments are stored in their original packaging and clear of UV sources.</li> <li>Following use, and after having been RINSED DOWN and DRIED, Chemsol clothing should be stored in a cool, dry and clean environment - always hang to avoid creases.</li> </ul>		<b>EC Type Examination Certificate</b> Issued By: SGS United Kingdom Ltd. Unit 202b Worle Parkway, WESTON-SUPER-MARE, BS22 6WA, United Kingdom EC Notified Body No. <b>0120</b>																																							
<b>EXPLANATION OF LABEL SYMBOLS/PICTOGRAMS</b> <ul style="list-style-type: none"> <li> Chemical Protective Clothing. EN 14605:2005+A1:2009. Re-Usable Protection.</li> <li> EN 14605:2005+A1:2009 Type 3: Liquid-Tight Clothing.</li> <li> EN 14605:2005+A1:2009. Type 4: Spray-Tight Clothing.</li> <li> Refer to user instruction.</li> </ul>		<b>EC Quality Control System Certificate</b> Issued By: SGS United Kingdom Ltd. Unit 202b Worle Parkway, WESTON-SUPER-MARE, BS22 6WA, United Kingdom EC Notified Body No. <b>0120</b>																																							

**DISCLAIMER:** Alpha Solway and its distributors cannot accept responsibility for improper use of this Chemsol garment.

**NOTE:** Should you require any assistance or further technical information regarding this Chemsol garment, please phone the Company at the telephone number provided and ask for the **Sales Department**.