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chemsol HG

PROTECTIVE CLOTHING AGAINST LIQUID CHEMICALS ["CHEMSOL HG" GARMENT RANGE] - CLOTHING PROVIDING PROTECTION TO PARTS OF THE BODY ONLY, [TYPE PB [4]].

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

USER INFORMATION SHEET

INTRODUCTION

- These Chemsol HG 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.
- These Chemsol HG garments are manufactured under ISO 9001 quality control procedures.
- Bag and garment labels indicate product type/code.
- The determination of the suitability of Chemsol HG garments for the intended application should be made by trained and qualified safety personnel and is the users final responsibility.

APPLICATION

- Chemsol HG protective clothing provides the wearer with protection against liquid chemicals, for a limited time.
- Chemsol HG garments will protect only those parts of the body that they cover.
- When these Chemsol HG garments are used in conjunction with other PPE, (e.g. Respirators, Gloves, Boots, Hoods, etc.), the connections should be sealed with a 'Chemical' tape.
- While the use of a combination of partial body protection products can afford a degree of full body protection it is recommended that, in areas where full body protection is required, a one-piece suit should be worn.

USAGE

- All PPE should be donned/doffed in an area away from any potential risk.
- 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 HG garment will meet the conditions for safe use.
- 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.
- In the event of leakage or damage to the Chemsol HG garment during use, the wearer should immediately leave the hazardous area and remove the garment.
- After use, to remove contamination, Chemsol HG clothing should be RINSED DOWN with cold water, and subsequently, allowed to Drip Line Dry, in the shade, clear of UV sources.

WARNINGS

- Fabrics used in the construction of Chemsol HG garments have low air permeability and can cause heat stress. Frequent rest is advised.
- This Chemsol HG garment should be used by persons who are trained and aware of the dangers relating to the work being performed.
- Flammable material. Keep away from fire.
- If this Chemsol HG 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.
- 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.

MAINTENANCE

- It is recommended that the wash care instructions, as detailed on the care label, are followed.
- After use, to remove contamination, Chemsol HG clothing should be RINSED DOWN with cold water, and subsequently, allowed to Drip Line Dry, in the shade, clear of UV sources.
- Advice: For reasons of hygiene the garment should, preferably, be worn by the same person.

STORAGE

- It is recommended that new Chemsol HG garments are stored in their original packaging and clear of UV sources.
- Following use, and after having been RINSED DOWN and DRIED, Chemsol HG clothing should be stored in a cool, dry and clean environment - always hang to avoid creases.

EXPLANATION OF LABEL SYMBOLS/PICTOGRAMS



Chemical Protective Clothing - Protection To Parts Of The Body Only, [Type PB [4]].
EN 14605:2005+A1:2009.
Re-Usable Protection.



Refer to user instruction.

MATERIAL/GARMENT PERFORMANCE DATA [EN 14605]

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	> 100 N	Class 5
Tensile Strength	EN ISO 13934-1	> 100 N	Class 3
Puncture Resistance	EN 863	> 10 N	Class 2
Seam Strength	EN ISO 13935-2	> 300 N	Class 5

RESISTANCE TO PERMEATION BY LIQUIDS [EN 374-3]

BREAKTHROUGH TIME [MINS.] / CLASSIFICATION [EN 14605]

CHEMICAL	CONCENTRATION	FABRIC	SEAM
Sodium Hydroxide [NaOH]	30 wt%	>480 mins. / Class 6	>480 mins. / Class 6
Sodium Hypochlorite	15 wt%	>480 mins. / Class 6	>480 mins. / Class 6
Phosphoric Acid	15 wt%	>480 mins. / Class 6	>480 mins. / Class 6
Nitric Acid [HNO_3]	50 wt%	> 30 min / Class 2	> 30 min / Class 2

Note 1 Other chemicals have been tested. Please contact supplier for further information.
Note 2: Breakthrough times on seams may be lower than on the fabric.
Note 3: 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.

GARMENT SIZES [REFER TO GARMENT DIMENSION LABEL]

The following table reflects the dimensions of the standard garments available from Alpha Solway.

STANDARD GARMENT DIMENSIONS

PRODUCT	CODE	LENGTH		WIDTH	
Aprons	CHA 33/23	33"	84 cm	23"	58 cm
	CHA 40/36	40"	102 cm	36"	92 cm
	CHA 42/36	42"	107 cm	36"	92 cm
	CHA 48/36	48"	122 cm	36"	92 cm
Sleeves	CHS 15	15"	38 cm	- -	- -

Alpha Solway Limited make the statement that it can also manufacture garments to dimensions out-with these standard measurements, providing their customers with the facility to order garments with dimensions to their own bespoke requirements.

WASH CARE SYMBOLS [REFER TO GARMENT CARE LABEL]



Do Not Wash



Do Not Bleach



Do Not Tumble Dry



Do Not Iron



Do Not Dry Clean

EC Type Examination Certificate

Issued By: SGS United Kingdom Ltd.
Unit 202b Worle Parkway,
WESTON-SUPER-MARE,
BS22 6WA, United Kingdom

EC Notified Body No. **0120**

EC Quality Control System Certificate

Issued By: SGS United Kingdom Ltd.
Unit 202b Worle Parkway,
WESTON-SUPER-MARE,
BS22 6WA, United Kingdom

EC Notified Body No. **0120**

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

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