

Technical Data Sheet

Summary

Product	Ultra Chem MAX 1
Description	Lightweight and flexible entry-level chemical suit with effective ChemMAX® design features and a good permeation barrier against a range of commonly used chemicals.
Fabric & weight	HD/PE barrier film laminate. 78gsm.
Style *(see overleaf)	UCMax1
Seam Type	Stitched and PE taped.
Colour	Yellow



CE Certification

EN Standard*	Description	Result
EN 340: 2002	Protective Clothing : general Requirements	Pass
EN 13034: 2005	Type 6: Protection against light spray of liquids	Pass
EN 13982: 2004	Type 5: protection against hazardous dry particles	Pass
EN 14605:2005	Type 3 & 4: Protection against splashes and sprays of liquid chemicals	Pass
EN 1073: 2002	Protection against dust particles that may be contaminated with radiations	Pass
EN14126: 2003	Protection against infectious agents	Pass
EN 1149-5: 2008	Anti-static garment requirements: (ATEX regulations exclude certification for PPE: However, both ATEX and BGR 132 / TBR52153 reference certification to EN 1149 as a suitable measure for protective clothing for explosive atmospheres.)	3.05 x 10 ⁷ Pass

*All Ultra Chem garments are certified to the latest version of standards where possible

Mechanical Properties

EN Standard	Description	Result	EN Class
EN 13934	Tensile Strength	108.8/72.4 N	3/2
EN 530	Abrasion Resistance	<500 Cycles	2
EN 863	Puncture Resistance	10.9 N	2
ISO 2960	Burst Strength	79 kPa	1
ISO 7854	Flex Cracking	<2500 Cycles	1
ISO 9073	Trapezoidal tear md/cd	57/43 N	3
ISO 9073	Trapezoidal tear-mean	50 N	3
ISO 5082	Seam Strength	104.9 N	3

Chemical Repellency – EN 368 (for Type 6)

	EN Class	
	Repellency	Penetration
Sulphuric Acid 30%	Class 3	Class 3
Sodium Hydroxide 10%	Class 3	Class 3
O-Xylene	Class 2	Class 3
Butan-1-ol	Class 2	Class 3

Chemical Permeation – EN 6529 – For Types 1 to 4

The chemical list below is from EN 6529 Annex A2 and is intended to provide a broad spectrum of chemical types if general chemical suit assessment

Chemical	CAS No	Result / EN Class
Acetone	67-64-1	Imm / Class 0
Acetonitrile	75-05-8	NT
Carbon Disulphide	75-15-8	NT
Dichloromethane	75-09-2	Imm / Class 0
Diethylamine	109-89-7	Imm / Class 0
Ethyl Acetate	141-78-6	Imm / Class 0
n-Hexane	110-54-3	Imm / Class 0
Methanol	67-56-01	210 / Class 4
Sodium Hydroxide	1310-73-2	480 / Class 6
Sulphuric Acid (96%)	7664-93-9	480 / Class 6
Tetrahydrofuran	109-99-9	Imm / Class 0
Toluene	108-88-3	Imm / Class 0

Breakthrough times are a reflection controlled lab tests measuring "Normalised Breakthrough" as the time to reach a permeation rate of 1.0µg/min/cm².

This does not imply "no breakthrough" and is not intended to indicate any duration of "safe-use" in any specific application. It is always the users' final responsibility to ensure a garment is suitable for the application.

Key features

- ? Protection against a range of commonly used chemicals
- ? Stitched & taped seams for strong and fully impervious seams
- ? Ultra Chem Double zip and storm flap
- ? Cushioned kneepads
- ? Ultra Chem Super B style patter 3 piece hood / inset sleeves, diamond crotch gusset

Suggested applications

Tank Cleaning
 Petrochemical and Refining applications
 Maintenance Applications
 Chemical handling & distribution
 Chemical clean-ups and spill management
 Contaminated land clearance
 Oil-spill clean-ups

No Information provided is intended to guarantee product suitability for any specific application:
 It is always the users final responsibility to ensure garment suitability