DATA SHEET MAGMA MPS 5900 Chemical Suit

The MAGMA MPS 5900 is the ideal disposable, gas-tight chemical protective suit for hazmat incidents. Where complete protection against hazardous gases, liquids and particles is of the utmost priority, this lightweight garment is the suit of choice.

The MPS 5900 provides excellent protection against a broad range of industrial chemicals as well as warfare agents. Specifically designed for low risk operations, it can be used in a variety of applications such as when taking measurements or transferring hazardous substances in non-explosive atmospheres.

Key Features

Material: Flame Resistant PVC Color: Red/Yellow

Thickness of material:0.45+ 0.05 .

Weight:7kg

Tensile Strength: warp and well direction>450N 5cm

Tear strength>32N.

Anti-acid and alkali penetration performance:10mm liquid column is impermeable for 1h.

Gasoline resistance:120# gasoline soaks for 30s without cracks and stickiness.

Flame retardant performance: continuous burning times<2s,

Flame retardant tie‹s10s,damage lengths10cm, no drop

Electrical insulation performance of shoe sole>5000v.

Puncture resistance of the sole>780N.

Waterproof performance of books: Soak in water for 2h, no maker seepage.

Adhesive strength of stickers: TO.78kn/m

Water leakage resistance:5 nozzles of 3LT/min will nod leak adder 15 minutes of washing

Fully encapsulating suit for maximum protection.

Wide front entry on left side for easy donning & doffing.

Zipper fastener (bottom up).

Double flap zipper protection.

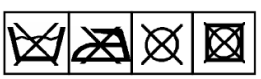
- Flexible and foldable two-layer visor offers almost natural field of vision.
- Integrated gas-tight socks with boot flaps for use with multiple boot sizes.
- Fixed gloves combine butyl outer with laminate inner lining for increased protecti punctures.
- Kevlar over-glove for additional cut protection.
- Integrated waist belt for size adjustment.
- Optional with connector for external air supply to extend decontamination phase.

use Limitations

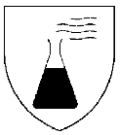
Do not use for:

• Contact with heavy oils, sparks or flame, or combustible liquids
• Environments with high mechanical risks (abrasions, tears, cuts)
• Environments with exposure to hazardous substances beyond CE Type 3/4/5/6 certification
• Environments with conditions of excessive heat

Wash Care Instructions :-



Chemical Protective Clothing



TECHINCAL DATA

NFPA 1994	US requirements for protective clothing for incidents involving warfare agents		
EN 943-2	European requirements for protective clothing for fire brigades		
EN 943-1	European requirements for protective clothing for industrial applications		
SOLAS II-2, Reg.19	Requirements for use on seagoing vessels		
ISO 16602[1]	International requirements for chemical protective suits		
-22 ˚F to 140 ˚F (-30 °C to +60 °C)	During use	-4 ˚F to 77 ˚F (-20 °C to +25 °C)	In storage

Chemical tests

Chemical	Breakthrough time in min*	Chemical	Breakthrough time in min*	Chemical	Breakthrough time in min*
Aceton	>480	Ethyl acetate	>480	Sarine (GB)	>480
Acetonitrile	>480	Ethylene oxide	>480	Sodium hydroxide 40%	>480
Ammonia	>480	Hydrogen chloride	>480	Soman (GD)	>480
1,3 Butadiene	>480	Lewisite (L)	>480	Sulfuric acid 96%	>480
Carbon disulfide	>480	Methanol	>480	Tetrachlorethylene	>480
Chlorine	>480	Methyl Chloride	>480	Tetrahydrofurane	>480
Dichloromethane	>480	Mustard gas (HD)	>480	Toluene	>480
Diethylamine	>480	n-heptane	>480	VX	>480