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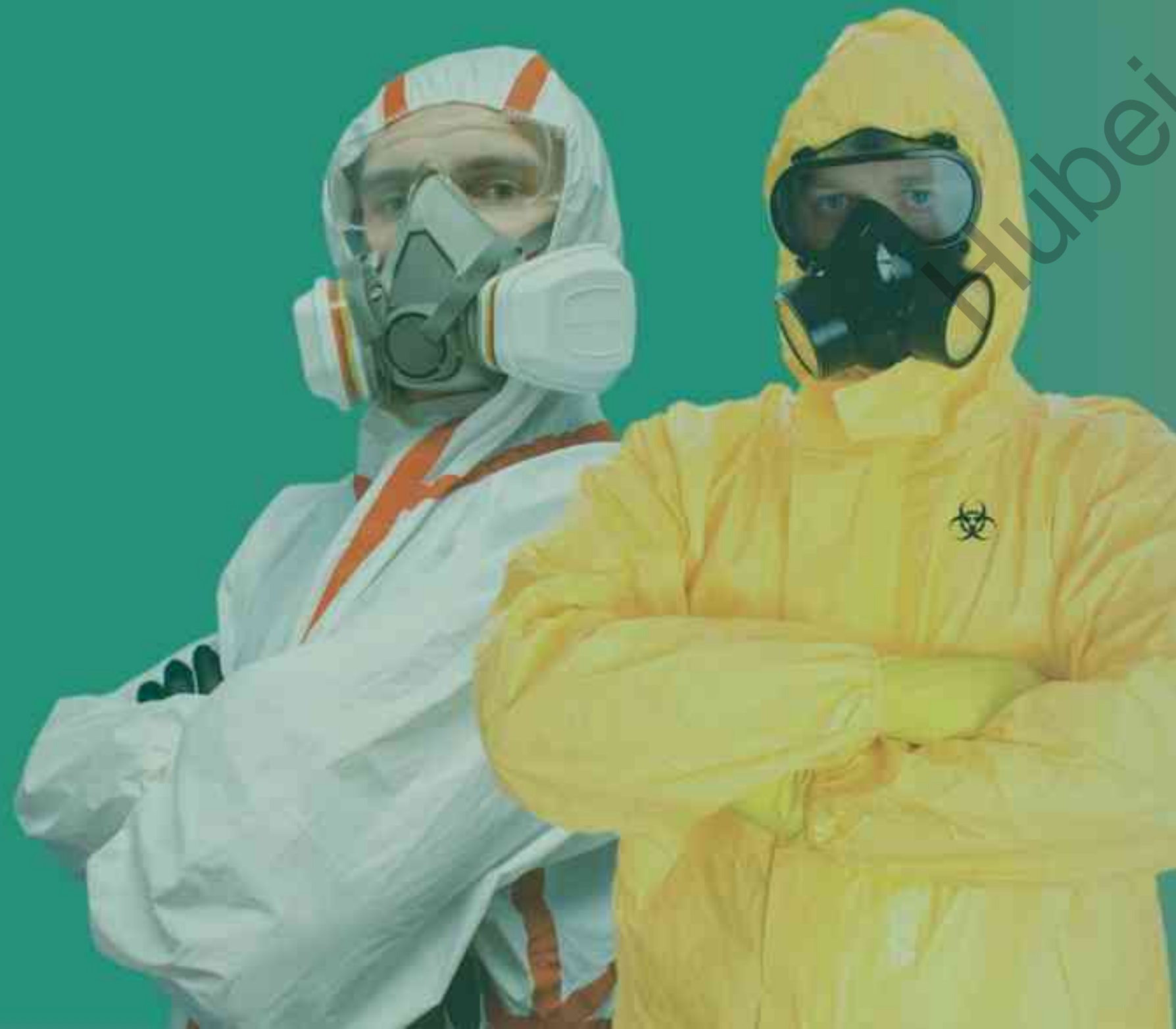
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PRODUCT CATALOG

CHEMICAL PROTECTIVE COVERALLS, CAT III



Our Company

HUBEI ORIENT has great manufacturing expertise to offer which we are proud to accredit to begin in the non-woven industry for over 20 years. Our factory Ammex-Weida have ISO 9001:2015 and ISO 13485:2016 certification. Our quality assurance system is inspected and certified by SGS and fully meets the requirement of Regulation (EU) 2016/425 (Module D).Type3B,Type4B,Type5B,Type6B protective clothing which abided to the latest PPE Regulation (EU) 2016/425. Also it has owned Smeta-Social audit and Factory Audit authentication.

As a manufacturer with decades of experience, we are known with Professional Service, Technical Support and High Quality Products, which gained recognition world-wide in over 60 countries.

Factory



Clean Room

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Introduction of Protective Clothing

Industrial protective clothing is an essential compromise between eliminating potential risks and completing the tasks while accepting certain harms that are inherent in daily working life. It is an essential shield to protect frontline operators from hazardous workplace especially dealing with chemicals, liquid jets, infective agents and others.

Category I	Simple products. For areas of 'minimal risk' which are not suitable to protect against any form of hazard. Such products are self-certified.
Category II	Intermediate products. For areas of specific risk i.e. mechanical risk. Such products will have CE type test against European test methods and certificate by a notified body.
Category III	Complex products. For areas/applications than can seriously or irreversibly harm the health. Such products, in addition to the CE type test, will also have to be either produced under an approved quality system or be tested on an annual basis.

	Type 1 - Encapsulated suits that are fully sealed and gas-tight EN 943-1:2002 - Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid particles. Performance requirements for ventilated and non-ventilated suits.
	Type 2 - Encapsulated suits that are not fully sealed but maintain a positive internal pressure through the use of an external air supply EN 943-1:2002
	Type 3 - for clothing with liquid tight seams EN 14605:2005 - Protective clothing against liquid chemicals. Performance requirements for clothing with liquid and spray tight seams.
	Type 4 - for clothing with spray tight seams EN 14605:2005 - Protective clothing against liquid chemicals. Performance requirements for clothing with spray tight seams.
	Type 5 - Protection against Hazardous Dust Particles EN ISO 13982-1:2004 - Protective clothing for use against dry particulates. Performance requirements for protective clothing providing protection for the full body against airborne solid particles.
	Type 6 - Protection against reduced liquid spray EN 13034:2005 - Protective clothing against liquid chemicals. Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals.
	Protective Clothing against Contaminated Dusts EN 1073-2:2002 - Protective clothing against radiation contaminated dust particles (variation on Type 5 finished garment test).
	Protective Clothing against Infective Agents EN 14126:2003 - Requirements against protective clothing against infective agents (biological contaminants).
	Anti-Static Protective Clothing EN1149-5:2008 Electrostatic dissipative protective clothing with a surface resistance.
	Limited flame spread protection EN ISO 14116:2015 Protective clothing against heat and flame. Limited flame spread: materials, assemblies and clothing.

TYPE 5/6 SMS PROTECTIVE COVERALL

CATIII Type5/6
Certified EN1149-5:2008



Applications

- Hygiene rules
- Food processing
- Clean rooms
- Liquid chemicals (low hazard)
- Paint spray
- Horticulture
- Farming

Model No.:41121 55gsm SMMS Coverall, White
Model No.:41122 55gsm SMMS Coverall, Dark Blue

Features

- Type 5/6 Coverall designed to offer cost effective protection against hazardous dusts such as asbestos fiber
- Made from highly breathable SMMS non-woven for effective release of body heat and moisture and reduced heat stress
- Soft and strong 55gsm SMMS for strong performance
- With hood, 2-way zip and storm flap with elasticated back and ankles to reduce the risk of skin exposure
- CE Cat III Type 5/6 hazardous dusts and limited liquid splashes
- Passes EN1149-5 for anti-static property



TYPE 5/6 MICROPOROUS PROTECTIVE COVERALL

Model NO.:46621

CATIII Type5/6

Certified EN1149-5:2008 and EN1073-2:2002

Applications

- Asbestos Handling
- Hazardous Material
- Electronics
- Clean Room
- Paint Spray
- Print



Features

- Designed to be comfortable but highly protective to CE
- Category III, Type 5/6 hazardous dusts and limited liquid splashes
- Soft and light, ultra low-linting laminated microporous material that drapes and hangs well over the body facilitating ease of movement
- Elasticated cuffs and elasticated waist and ankles for increased comfort and freedom of movement
- Passes EN 1149-5 anti-static property
- Passes EN 1073-2 for protection against radioactive particulate contamination



TYPE 4/5/6 MICROPOROUS PROTECTIVE COVERALL

Model NO.:48821

CATIII Type4/5/6

Certified EN1149-5:2008 and EN1073-2:2002

Applications

- Agriculture
- Automotive
- Chemical Handling
- Hazardous Material
- Petrochemical
- Pharmaceutical
- Paint Spray



Features

- Passes EN1149-5 anti-static property.
- Passes EN1073-2 for protection against radioactive particulate contamination.
- Low linting to reduce the risk of contamination in environment.
- Excellent liquid penetration resistance and barrier to fine particulates.
- Achieves ISO class 6 and above cleanroom standard testing.
- With hood, 2-way zip and storm flap with sealable tape with elasticated back and ankles to reduce the risk of skin exposure



TYPE 4B/5B/6B MICROPOROUS PROTECTIVE COVERALL

Model NO.:49921

CATIII Type4B/5B/6B EN14126

Certified EN1149-5:2008 and EN1073-2:2002

Applications

- Agriculture
- Automotive
- Biological Hazards
- Chemical Plants
- Disaster Management
- Petrochemical
- Pharmaceutical
- Paint Spray



Features

- Type 4B/5B/6B Coverall designed to offer a very good barrier to hazardous particles and limited liquid splash and spray
- Made of nonwoven with ultra-low linting PE laminate
- Taped seams across the suit for increased hold out and strength reducing the risk of tearing and exposure
- Protection against EN 14126 Biological agents
- Passes EN 1149-5 anti-static property
- EN 1073-2 for protection against radioactive particulate contamination.



TYPE 3/3B PP+PE PROTECTIVE COVERALL

Model NO.:45521

CATIII TYPE3 EN14126

Certified EN1149-5:2008

Applications

- Biological Hazards
- Chemical Handling
- Decontamination
- Disaster Management
- Disease Control
- Tank Cleaning
- Petrochemical
- Oil Refinery



Features

- An outstanding barrier against direction liquid jets, various chemicals, and biological hazards.
- The impervious fabric and seams sealed by chemical proof tapes meet the highest requirement of EN14126 biological test.
- Well-designed hood fits respirator perfectly, double layer storm flaps ensure liquid tight seal for zipper, and bright yellow fabric offer high identification.
- Provides comfortable wearing experience to improve efficiency at work.
- Chemical-proof tape on seam to ensure wearer being protected with no seepage.



Fabric Technology

SPP (SBPP) — Spun bonded Polypropylene

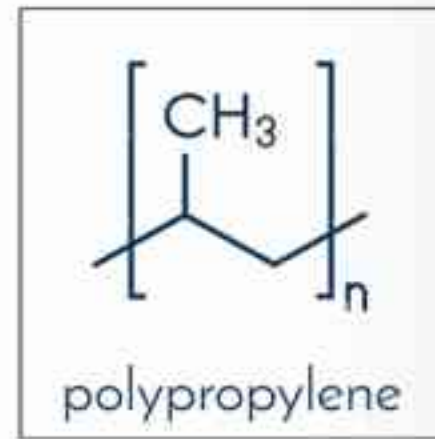
Spun bonded polypropylene is a lightweight, breathable fabric that provides economical protection against non-hazardous, grimy-work environment applications.

Features

- Soft & lightweight.
- Superior breathability.
- Different colors are available.

Application

In most industry, hygiene and medical fields for basic protection, such as lab coat, coverall, shoe cover, face mask, Isolation Gowns, Surgical Gowns, surgical caps, patient bed sheet, etc.



SPP/PE — Spun bonded Polypropylene Coated Polyethylene

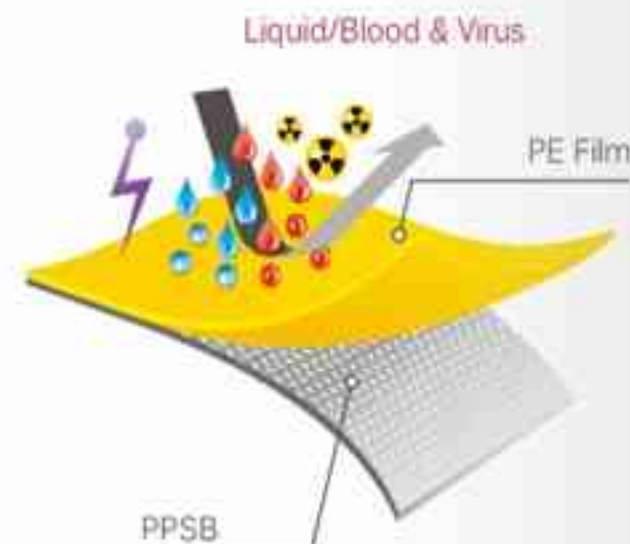
Spun bonded polypropylene fabric with a polyethylene coating is lightweight, excellent tensile and tear resistance. Garments made of SPP/PE protect workers against chemical dusts, paint sprays, asbestos and other solid airborne dusts, but not breathable, the surface is hard when the temperature is low.

Features

- Waterproof
- Lightweight & durable

Application

Widely used for protection requires high level of fluid resistant area, such as Surgical Gowns, bed sheets, sleeve covers, etc.



Fabric Technology

SMS (SMMS) — Spun bonded melt blown spun bonded

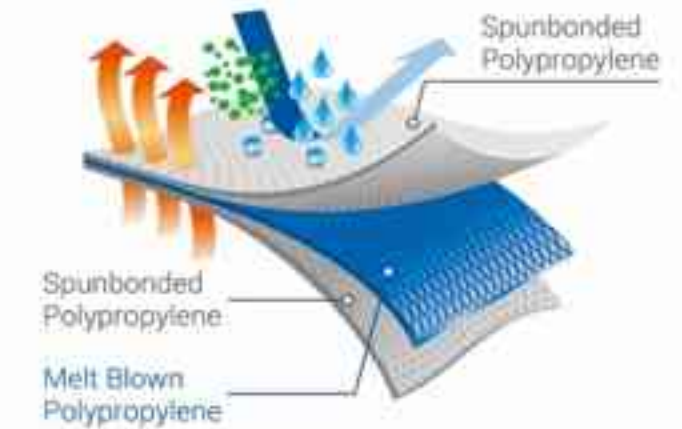
SMS barrier fabric is a unique trilaminate construction that offers a high tensile strength and toughness that is also soft, drapable, and easy to work with. SMS provides a fluid and particulate barrier to protect the worker without sacrificing mobility and comfort.

Features

- Fluid and particulate barrier
- Strong and durable, yet offer outstanding comfort, breathability, softness, and wearability
- Lightweight and resistant to tears and punctures

Application

Widely to high class protection area of medical, industrial, laboratory, electronical, pharmaceutical, such as: isolation gowns, patient gowns, lab coats, coveralls, procedure gowns, caps and facemasks, boots covers, aprons, napkins and diapers.



Microporous Film Laminates

Microporous film can provide a superior combination of high tensile strength, barrier protection, and breathability. High degree dry particulate holdout to protect against the effects of chemical dusts, paint sprays, asbestos, and other airborne dusts.

Features

- Liquid / blood proof
- High MVTR
- Durable with Good abrasion
- ASTM 1670 (anti blood penetration) passed
- EN1149-1 antistatic passed

Applications

Widely apply to high class protection area of medical, industrial, consumer products, such as: isolation gowns, patient gowns, coveralls, boots covers, aprons, rainwear, car cover, pillow protectors, and mattress protectors.

Bi-laminated fabric technology
Micro porous size: Ø 80-120nm

