

Features and Benefits of the DTAPS[®] Level C₂ Coverall Ensemble

Feature	Description	Benefit
Fully integrated and complete system	Complete system includes suit, gloves, boots & respiratory system; all individual components were configured & tested together as a unified system	<ul style="list-style-type: none"> ' Satisfies operational need for safe, reliable & totally integrated system ' Allows total package procurement ' Ideal for use by medical personnel
Extensive suit material testing	Suit material tested against CW agents GB, HD, L & VX, the 21 ASTM F 1001 chemicals, plus over 250 additional chemicals	<ul style="list-style-type: none"> ' Suit material has proven chemical resistance
Tested as an integrated system	Complete system yielded a high overall protection factor when evaluated with the U.S. Army man-in-simulant test (MIST) per TOP 10-2-022	<ul style="list-style-type: none"> ' Verifies the safety & reliability of protective ensemble
Coverall design	Tychem [®] SL coverall with separate powered air hood; Tychem [®] SL material offers the lightweight protection of Tyvek laminated with a chemical-resistant Saranex film	<ul style="list-style-type: none"> ' Delivers effective protection against a broad range of chemicals ' Garment is white for high visibility ' Provides a lightweight, comfortable & quiet garment ' Material is rugged & durable ' Economical price
Powered air hood	Powered air hood constructed of Tychem [®] SL with adjustable internal suspension system	<ul style="list-style-type: none"> ' Provides over-pressure for greater protection factor than APRs ' One size fits all ' No fit testing required ' Accommodates conditions that would prevent a good face seal on a tight-fitting APR (e.g., facial hair, glasses) ' Allows clearer voice communications than tight-fitting APRs ' Less claustrophobic than tight-fitting APRs ' Protects from liquid splash ' Provides good peripheral vision

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Feature	Description	Benefit
Respiratory protective system	NIOSH-approved 6 cfm FR-3 PAPR (includes powered air hood, breathing hose, blower, three multi-spectrum HEPA canisters & belt; blower can be powered by alkaline batteries or by optional lithium batteries)	<ul style="list-style-type: none"> ' PAPR provides higher protection factor than APRs ' Easier to breathe than APRs ' NIOSH approval verifies safety of PAPR ' Appropriate for use in CBRN environments ' D size alkaline cells are readily available ' Lithium batteries offers 15 year storage life ' Canisters are NIOSH approved for use against organic vapors, Cl₂, HCl, SO₂, NH₃, methylamine, formaldehyde, particulates (aerosols, dusts, fumes, mists, fogs, smokes), radionuclides & radon daughters ' Canisters also effective against CW/terrorist agents GB, GD, CK, CS, CN, HCN, phosgene & chloropicrin
Neck dam	Coverall incorporates a close-fitting adjustable neck dam	<ul style="list-style-type: none"> ' Resists vapor intrusion from the “bellows effect”
Suit closure	Closure assembly has 2-ply double splash flaps	<ul style="list-style-type: none"> ' Assembly resists liquid penetration ' 2-ply splash flap design will not wick liquids ' No taping needed
Glove system	16 mil butyl gloves are mechanically attached to coverall	<ul style="list-style-type: none"> ' Butyl gloves are resistant to chemical warfare agents ' Glove attachment assembly is vapor & liquid tight ' Gloves are easily changed out ' No taping needed
Booties	Integral booties incorporated into coverall	<ul style="list-style-type: none"> ' Provides vapor & liquid tight attachment to coverall ' No taping needed
Overshoes	Injection molded seamless PVC construction	<ul style="list-style-type: none"> ' Provide liquid protection ' Exceptional durability ' Excellent cold weather flexibility ' Fit over work shoes