

PPE OVERVIEW

Austrian Red Cross, Regional Branch Vienna
Disaster Relief Department, CBRN Protection Unit

SET	BODY PROTECTION	HAND PROTECTION	FOOT PROTECTION	RESPIRATORY PROTECTION EYE PROTECTION
Basic CBRN Self Protection	Tyvek Classic Plus overall with socks (CHA6)	Ampri Med Comfort High Risk	S3 Safety Shoes (and the overall socks)	FFP3 Mask; 3M Peltor Fahrenheit Goggles
Multi Purpose CBRN PPE	Tyvek 800J overall without socks (CHA5)	Nitrile gloves; Solvex 37-695	S5 Safety Boots	Panorama Nova Mask; ABEK2HgP3 Combi Filter
Bio PPE	MicroChem 3000 with socks (122)		S5 Safety Boots (and the overall socks)	
Chem PPE	MicroChem 4000 with socks (151-G02)			


For details see pages 2-5.

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BASIC CBRN SELF-PROTECTION SET

Typically used by Emergency Medical Service and Disaster Relief when facing non-deadly CBRN hazards.

	Personal Protective Equipment	Comments / Standards	Equipment examples
	<ul style="list-style-type: none"> ➤ Overall Category III, Type 4-B (incl. Type 5, 6) with hood and thumb loops ➤ Recommended: attached socks and boot flaps 	Coverall according to <ul style="list-style-type: none"> - EN 14605 (spray tight), - EN 14126 (Bio-Haz testing), - EN 1073-2 (RN contamination) or equivalent standards; anti-static treatment according to EN 1149-5 recommended	Dupont Tyvek Classic Plus CHA6
	<ul style="list-style-type: none"> ➤ Disposable Respirator FFP3 ➤ Recommended: exhalation valve 	Face mask according to EN 149 (FFP3)	3M 1873 V
	<ul style="list-style-type: none"> ➤ Full view protection goggles, non-ventilated (preferred) or with indirect ventilation ➤ Recommended: anti-fog, anti-scratch 	According to EN 166	3M Peltor Fahrenheit
	<ul style="list-style-type: none"> ➤ Nitrile medical gloves (2 pairs) ➤ Recommended for outer pair: longer cuffs and improved compatibility 	Outer gloves: Medical gloves according to Category III (PPE Guideline) and ISO 374-2 (AQL <0,65); recommended: ISO 374-1 (basic chemical compatibility), ISO 374-5 (Microorganism)	Ampri Med Comfort High Risk
	<ul style="list-style-type: none"> ➤ Safety shoes 	S3 safety shoes according to ISO 20345	


MULTI PURPOSE CBRN PPE SET

Typically used by the CBRN Protection Unit when dealing with non-deadly biological hazards, radiological and nuclear hazards.

	Personal Protective Equipment	Comments / Standards	Equipment examples
	<ul style="list-style-type: none"> ➤ Coverall Category III, Type 3-B (incl. Type 4, 5, 6) with hood and thumb loops ➤ Recommended: attached socks and boot flaps 	Coverall according to <ul style="list-style-type: none"> - EN 14605 (spray tight), - EN 14126 (Bio-Haz testing), - EN 1073-2 (RN contamination) or comparable standards; anti-static treatment according to EN 1149-5 recommended	Dupont Tyvek 800J CHA5
	<ul style="list-style-type: none"> ➤ Full face protective mask ➤ Adapter according to selected filter (or vice versa) 	Protective mask according to EN 136	Draeger Panorama Nova
	<ul style="list-style-type: none"> ➤ Filter for protective mask ➤ Selection according to expected hazards 	Recommended multi-purpose filters ABEK2-P3 (EN 141) or NBC-Filters	ABEK2HgP3
	<ul style="list-style-type: none"> ➤ Chemical resistant gloves (Nitrile) 	EN 388, ISO 374-1:2016, ISO 374-5	Ansell AlphaTec Solvex 37-695
	<ul style="list-style-type: none"> ➤ Nitrile medical gloves ➤ Safety boots 	Inner glove S5 safety boots according to ISO 20345	


BIO PPE SET

Specialized PPE for the CBRN Protection Unit when highly contagious potentially deadly biological hazards are expected.

	Personal Protective Equipment	Comments / Standards	Equipment examples
	<ul style="list-style-type: none"> ➤ Overall Category III, Type 3-B (incl. Type 4, 5, 6) incl. hood and thumb loops ➤ Recommended: attached socks and boot flaps 	Overall according to <ul style="list-style-type: none"> - EN 14605 (liquid tight), - <u>maximum compatibility according to all EN 14126 (Bio-Haz) tests,</u> - EN 1073-2 (RN contamination) or comparable standards; anti-static treatment according to EN 1149-5 recommended	Microgard Microchem 3000
	<ul style="list-style-type: none"> ➤ Full face protective mask ➤ Adapter according to selected filter (or vice versa) 	Protective mask according to EN 136	Draeger Panorama Nova
	<ul style="list-style-type: none"> ➤ Filter for protective mask ➤ Selection according to expected hazards 	Recommended multi-purpose filters ABEK2-P3 (EN 141) or NBC-Filters	ABEK2HgP3
	<ul style="list-style-type: none"> ➤ Chemical resistant gloves (Nitrile) 	EN388, ISO 374-1:2016, ISO 374-5	Ansell AlphaTec Solvex 37-695
	<ul style="list-style-type: none"> ➤ Nitrile medical gloves ➤ Safety boots 	Inner glove S5 safety boots according to ISO 20345	

CHEM PPE SET

Specialized PPE for the CBRN Protection Unit when chemical hazards are expected.

	Personal Protective Equipment	Comments / Standards	Equipment examples
	<ul style="list-style-type: none"> ➤ <u>Coverall Category III, Type 3-B</u> (incl. Type 4, 5, 6) incl. hood rubber face seal for respirators, attached chemical resistant gloves (Ansell Barrier) and socks, gloves and boot flaps 	Coverall according to <ul style="list-style-type: none"> - EN 14605 (liquid tight), - max. compatibility according to all EN 14126 (Bio-Haz) tests, - EN 1073-2 (RN contamination) or comparable standards; anti-static treatment according to EN 1149-5 recommended; compatibility against CWA recommended	Microgard Microchem 4000 (Model 151-G02)
	<ul style="list-style-type: none"> ➤ Full face protective mask ➤ Adapter according to selected filter (or vice versa) 	Protective mask according to EN 136	Draeger Panorama Nova
	<ul style="list-style-type: none"> ➤ Filter for protective mask ➤ Selection according to expected hazards 	Recommended multi-purpose filters ABEK2-P3 (EN 141) or NBC-Filters	ABEK2HgP3
	<ul style="list-style-type: none"> ➤ Chemical resistant gloves (Nitrile) 	EN388, ISO 374-1:2016, ISO 374-5	Ansell AlphaTec Solvex 37-695
	<ul style="list-style-type: none"> ➤ Nitrile medical gloves ➤ Safety boots 	Inner glove S5 safety boots according to ISO 20345	