



Safety Segment Guide

# Industry

# 2019 Safety Segment Guide

Location	Product Type	Application	Regulatory Standards	Who should I contact?	Selection Criteria	Environmental/Water Analysis	Food	Petrochemical	Cosmetics	Option 1	Option 2
	<b>Head and Face Protection</b>	<ul style="list-style-type: none"> <li>Splash protection (chemicals, biologicals, irritants)</li> <li>Ballistic protection (airborne debris)</li> <li>General visitor protection</li> <li>Lens and cleaning wipes</li> </ul>	<b>Basic Standards</b> <ul style="list-style-type: none"> <li>EN166 protection against everyday risks, such as droplets/splash, impact, radiation</li> <li>EN167 optical test methods</li> <li>EN168 test methods except optical</li> </ul> <b>Frame Marking</b> <ul style="list-style-type: none"> <li>Frame must include CE symbol, manufacturer brand/logo and EN standard together with the Use and Mechanical Strength symbols</li> </ul>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Suitable protection based on risk assessment e.g. chemical protection, mechanical strength, welding, solar protection</li> </ul>	•	•	•	3M Bole	Fisherbrand Honeywell UvEX	
	<b>Respiratory Protection</b>	<ul style="list-style-type: none"> <li>Disposable respirators</li> <li>Reusable respirators</li> <li>Powered air purifying respirators (PAPR)</li> <li>Pathogens/chemicals/welding/petrochemicals (PAPR)</li> </ul>	<ul style="list-style-type: none"> <li>Disposable respirators EN 149:2001 + A1:2009</li> <li>Classified by filtering efficiency FFP1, FFP2, FFP3</li> </ul> <b>See page 10 of the safety brochure</b>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<b>Four-Step Method</b> <ul style="list-style-type: none"> <li>Identify the hazards (sprays, allergens, moulds)</li> <li>Assess the risk (particulate levels)</li> <li>Select the respirator design (foldable, cup-shaped, valved)</li> <li>Fit testing and user training</li> </ul>	•	•	•	3M	CleanSpace Honeywell Scott Safety	
<b>Laboratories</b>	<b>Hearing Protection</b>	<ul style="list-style-type: none"> <li>According to the EU OSHA, one third of all European workers are exposed to potentially dangerous levels of noise, from machines to engines to power tools</li> <li>Communication earmuffs (radio, bluetooth)</li> </ul>	<ul style="list-style-type: none"> <li>The lower exposure noise action value is a daily/weekly average exposure level of 80 dB, at which the employer has to provide information, training and make hearing protection available</li> <li>The upper exposure noise action value is a daily/weekly average exposure of 85 dB, above which the employer is required to take action to reduce noise exposure (e.g. engineering or other technical measures). Hearing protection is mandatory if the noise cannot be controlled by these measures.</li> <li>There is absolute upper exposure limit value of 87 dB, above which no worker can be exposed at all</li> </ul> <b>See page 22 of the safety brochure</b>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>All individuals have different ear canal anatomy so there is no single hearing protection solution that fits everyone. The key to optimal protection is having the best fit possible</li> </ul>	•	•	•	3M	Honeywell	
	<b>Lab Coats</b>	<ul style="list-style-type: none"> <li>Chemical or microbiological handling</li> <li>Washable cotton/ polycotton coats</li> </ul>	<ul style="list-style-type: none"> <li>CE Cat I</li> <li>CE Cat II</li> </ul>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Chemical or bacterial protection, design (cuff, pocket, collar), material, comfort</li> </ul>	•	•	•	Kimberly-Clark 3M	Fisherbrand DuPont Ansell (Microgard)	
	<b>Hand Protection</b>	<ul style="list-style-type: none"> <li>Chemical handling</li> <li>Protection against microorganisms</li> <li>Disposable gloves</li> </ul>	<ul style="list-style-type: none"> <li>OE Cat III</li> <li>EN 374:2016</li> <li>FDA</li> </ul>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Standards, material, chemical resistance, cleanliness, sterility, permeation, thickness, comfort, design (cuffs, finger tips textured or not) packing, comfort, dexterity</li> </ul>	•	•	•	Fisherbrand Ansell Kimberly-Clark	Showa	

Internal use only

• Limited Potential     • Average Potential     • Large Consumption

Location	Product Type	Application	Regulatory Standards	Who should I contact?	Selection Criteria	Environmental/Water Analysis	Food	Petrochemical	Cosmetics	Option 1	Option 2
Laboratories	• Isolator gloves	• Handling of products sensitive to oxygen and water, handling of pathogens or radioactive products	• CE Cat III • EN 388 • FDA	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Chemical resistance, material, port size, grip, length, thickness, temperature resistance, UV resistance	•	•	•	•	Ansell	
	• Reusable gloves	• Long-term chemical exposure, aggressive chemicals transfer, oil refining, pesticide, insecticide and plant protection chemical handling • Cut resistance • Thermal protection • Abrasion resistance	• CE Cat III • EN 388 • FDA	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Standards, material, chemical resistance, cleanliness, sterility, permeation or temperature resistance, thickness, comfort (breathability), cuff design (ambidextrous, cuff style, finger tips textured or not) packing	•	•	•	•	Ansell Honeywell	
	<b>Foot Protection</b>	• For use in production areas, factories, logistics areas • Areas with risk of splash, slip, toe impact, cut hazards • Hygiene-controlled areas • General visitor protection	• EN ISO 20345:2011 • EN ISO 20347:2012	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Intended use in wet or dry environments • Indoor or outdoor • Toe anti-slip or sole protection • Comfort and style	•	•	•	•	Emma Honeywell Abeba Fisherbrand Kimberly-Clark	
			• S1 Safety shoes with toe cap • SIP Safety shoes with toe cap and sole protection • S2 Safety shoes for wet environments with toe cap • S3 Safety shoes for wet environments with toe cap, and sole protection • Anti-slip shoes • Overshoes/boot covers	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Salts, buffers, solvents, acids, general chemicals	•	•	•	Fisherbrand	
			• Bench protection covers	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Absorbency, dispensing system, format (box, roll, colour	•	•	•	•	Kimberly-Clark (Wypall)	
	<b>Equipment Protection</b>	• For protection of surfaces from aggressive solvents or other reagents in case of spill	• Spill clean-up, wiping, polishing, surfaces and equipment cleaning	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Suitable protection based on risk assessment e.g. exposure to chemicals, particulates or splash, impact and mechanical strength, welding, UV and solar protection	•	•	•	•	Fisherbrand Honeywell UVEX	
			• Wipes, wipers and towels	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Frame must include CE symbol, manufacturer brand/logo and EN standard Strength symbols <b>See page 33 of the safety brochure</b>	•	•	•	•	3M Bolé Nitritex Bioclean	
	<b>Head and Face Protection</b>	• Splash protection (chemicals, biologicals, irritants) • Ballistic protection (airborne debris) • General visitor protection • Face visors • Dispensing units	• EN166 protection against everyday risks, such as droplets/splash, impact, radiation • EN167 optical test methods • EN168 test methods except optical <b>Frame Marking</b> • Frame must include CE symbol, manufacturer brand/logo and EN standard Strength symbols	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Suitable protection based on risk assessment e.g. exposure to chemicals, particulates or splash, impact and mechanical strength, welding, UV and solar protection	•	•	•	•	Fisherbrand Honeywell UVEX	
			• CE Cat I	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Sterile/non-sterile ISO Class compatibility, breathability, ties or ear loops, bacterial and particulates filtration efficiency	•	•	•	•	Kimberly-Clark DuPont Isoclean Nitritex Bioclean	
Sterile and Controlled Environment	<b>Face Protection</b>	• Protection of the product or process from contamination by workers, and vice-versa • Sterile/non-sterile face masks	• CE Cat I	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Sterile/non-sterile ISO Class compatibility, breathability, ties or ear loops, bacterial and particulates filtration efficiency	•	•	•	•	Fisherbrand	

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Location	Product Type	Application	Regulatory Standards	Who should I contact?	Selection Criteria	Environmental/Water Analysis	Food	Petrochemical	Cosmetics	Option 1	Option 2
	<b>Apparel</b> <ul style="list-style-type: none"> <li>Bouffant caps</li> <li>Lab coats</li> <li>Coveralls</li> <li>Overshoes</li> <li>Sleeves</li> </ul>	• Protection of the product or process from contamination by workers, and vice-versa	• CE Cat I • CE Cat III • ISO Class	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Design ISO Class compatibility, antistatic, antislip	• •	• •	• •	DuPont Isocida Nitritex Bioclean	Kimberly-Clark	
	<b>Hand Protection</b> <ul style="list-style-type: none"> <li>Disposable gloves (sterile or non-sterile)</li> </ul>	• Protection of the product or process from contamination by workers, and vice-versa	• CE Cat III • EN 374:2016 • FDA • ISO Class	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Length, thickness, dexterity, aseptic/non-sterile, hand-specific, ISO Class compatibility, grip, material, double-donnable	• •	• •	• •	Ansell Kimberly-Clark	Nitritex Bioclean	
	• Isolator gloves	• Protection of the product or process from contamination by workers, and vice-versa	• CE Cat III • EN 374:2016 • EN 388 • FDA • ISO Class	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• ISO Class compatibility, chemical resistance, material, port size, grip, length, thickness, temperature, resistance, UV resistance, autoclavability	• •	• •	• •	Ansell Alphatec		
	<b>Stationery</b> <ul style="list-style-type: none"> <li>Notebooks</li> <li>Paper</li> </ul>	• Protection of the product or process from contamination by workers, and vice-versa	• ISO Class	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Size, colour, ISO Class compatibility	• •	• •	• •	Purus	Contec Nitritex Bioclean	
	• Pens	• Protection of the product or process from contamination by workers, and vice-versa	• ISO Class	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• ISO Class compatibility, colour, water resistance, alcohol resistance, quick drying	• •	• •	• •	Nitritex Bioclean	Micronova	
<b>Sterile and Controlled Environment</b>	<b>Decontamination</b> <ul style="list-style-type: none"> <li>Wipes dry</li> <li>Pre-saturated</li> </ul>	• Contamination control, cleaning	• Biocide registration • ISO Class	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• ISO Class compatibility, material, size, sterile/non-sterile	• •	• •	• •	Contec	Texwipe	
	• Swabs	• Contamination control, surface sampling, cleaning validation work, TOC validation, lubricant application	• ISO Class	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• ISO Class compatibility, material, size	• •	• •	• •	Contec	Texwipe	
	• Sampling tools	• Production and field sampling	• ISO Class • FDA	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• ISO Class compatibility, material, packaging	• •	• •	• •	Burkley		
	• Disinfectants	• Contamination control	• Biocide registration • ISO Class	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• ISO Class compatibility, sterile/non-sterile, volume, double/triple bagged, spectrum efficacy	• •	• •	• •	Contec		
	• Mats (control and sticky)	• Contamination control, reduced transfer of foot-and-wheel-borne contaminants	• ISO Class	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Size, colour, number of layers, ISO Class compatibility	• •	• •	• •	Purus		

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Location	Product Type	Application	Regulatory Standards	Who should I contact?	Selection Criteria	Environmental/Water Analysis	Food	Petrochemical	Cosmetics	Option 1	Option 2
	<b>Respiratory Protection</b> <ul style="list-style-type: none"> <li>Disposable respirators</li> <li>Reusable respirators</li> <li>Powered air purifying respirators (PAPR)</li> </ul>	• Powders/sanding/bacteria/fungus (disposable masks) • Chemicals handling (reusable masks for gas/vapours) • Pathogens/chemicals/welding/petrochemicals (PAPR)	• Disposable respirators EN 149:2001 + A1:2009 • Classified by filtering efficiency FFP1, FFP2, FFP3 <b>See page 10 of the safety brochure</b>	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	<b>Four-Step Method</b> <ul style="list-style-type: none"> <li>Identify the hazards (sprays, allergens, moulds)</li> <li>Assess the risk (particulate levels)</li> <li>Select the respirator design (foldable, cup-shaped, valved)</li> <li>Fit testing and user training</li> </ul>	• Specialist knowledge of the chemicals and materials being stored to ensure that appropriate storage facilities are chosen	• •	• •	• •	3M	CleanSpace Honeywell
	<b>Safety Cabinets</b> <ul style="list-style-type: none"> <li>Flammable liquids</li> <li>Hazardous chemical storage</li> <li>Acid and base storage</li> <li>Gas cylinder storage</li> </ul>	• Any storage of flammable liquids, hazardous chemicals, acids, bases or gas cylinders. Applies to laboratories, production areas, store rooms, gas storage areas and janitorial supplies	• BS EN 14470-1 Safe storage for flammable liquids • BS EN 14470-2 Safe storage for flammable gas cylinders	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users						Asecos	Justite (safety cans)
	<b>Spill Control</b> <ul style="list-style-type: none"> <li>Spill kits and absorbent socks/mats/pillows/granules for:</li> <li>Chemical spills</li> <li>Oil spills</li> <li>General liquid spills</li> </ul>	• Various spill situations in everyday environments - chemicals, liquids, oils	• Perform risk assessment of spill <ul style="list-style-type: none"> <li>Wear the appropriate protective clothing</li> <li>Contain the liquid and seal drains</li> <li>Stop the source of the spill</li> <li>Use sorbents to absorb liquids</li> <li>Report the spill to the proper authorities</li> <li>Correctly dispose of absorbent materials</li> <li>Decontaminate all tools and reusable materials</li> <li>Restock materials, review contingency procedures</li> </ul>	• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Type of spilled liquid • Size of the potential spill • Incident indoors or outdoors					Fisherbrand	3M New Pig
<b>Storage and Disposal</b>	<b>Waste Management</b> <ul style="list-style-type: none"> <li>Solvent disposal systems and safety funnels</li> <li>Trays and palettes</li> </ul>	• Chemical spillage control, filtration of waste vapours, chemical and solvent disposal		• Health and Safety Manager • Occupational Health Manager • Lab Manager • Lab Users	• Waste type, temperature, chemicals, volume, connector dimensions		• •			SCAT Thermo Naigene Fisherbrand	
	<b>Printing and Labelling</b> <ul style="list-style-type: none"> <li>Low throughout portable printers (BMP 21/4/15/16/17/1 series)</li> <li>High throughout benchtop printers (BBP 12/33/35/37/72/85/JP/J2000 series)</li> <li>Control software</li> </ul>	• Safe and secure labelling and identification of samples or equipment	• CE • RoHS 2011/65/EU • 2014/35/EU • LVD 2014/30/EU • RED 2014/53/EU	• Lab Manager • Lab Users	• How will the label be used • What is its purpose • Is it for asset tracking or component identification • Do the labels need to be permanent, removable, repositionable or made of a particular material • Will the labels be applied manually or automatically		• •			Brady	
	<b>Apparel</b> <ul style="list-style-type: none"> <li>Coveralls</li> </ul>	• Chemical exposure, dirt exposure, general maintenance, general clean-up	• CE Cat III	• Lab Manager • Lab Users			• •			DuPont Arsell (Microgard)	3M

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Location	Product Type	Application	Regulatory Standards	Who should I contact?	Selection Criteria	Environmental/Water Analysis	Food	Petrochemical	Cosmetics	Option 1	Option 2	
	<b>Respiratory Protection</b> <ul style="list-style-type: none"> <li>Disposable respirators</li> <li>Reusable respirators</li> <li>Powered air purifying respirators (PAPR)</li> </ul>	<ul style="list-style-type: none"> <li>Powders/sanding/bacteria/fungus (disposable masks)</li> <li>Chemicals handling (reusable masks for gas/vapours)</li> <li>Pathogens/chemicals/welding/petrochemicals (PAVR)</li> </ul>	<ul style="list-style-type: none"> <li>Disposable respirators EN 149:2001 + A1:2009</li> <li>Classified by filtering efficiency FFP1, FFP2, FFP3</li> </ul> <p><b>See page 10 of the safety brochure</b></p>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<b>Four-Step Method</b> <ul style="list-style-type: none"> <li>Identify the hazards (sprays, allergens, moulds)</li> <li>Assess the risk (particulate levels)</li> <li>Select the respirator design (valved, cup-shaped, valved)</li> <li>Fit testing and user training</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	3M	CleanSpace Honeywell		
	<b>Hand Protection</b> <ul style="list-style-type: none"> <li>Reusable gloves</li> </ul>	<ul style="list-style-type: none"> <li>Long-term chemical exposure, aggressive chemicals transfer, oil refining, pesticide, insecticide and plant protection</li> <li>Cut resistance</li> <li>Thermal protection</li> <li>Abrasion resistance</li> </ul>	<ul style="list-style-type: none"> <li>• CE Cat III • EN 388 • FDA</li> </ul>	<ul style="list-style-type: none"> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Standards, material, chemical resistance, cleanliness, sterility, permeation or temperature resistance, thickness, comfort (breathability), design (ambidextrous, cuff, finger tips textured or not), packing</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Ansell Honeywell		
Cleaning Operation	<b>Cleaning Systems</b>	<ul style="list-style-type: none"> <li>Contamination control</li> <li>Cleaning</li> </ul>		<ul style="list-style-type: none"> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Material size, capacity, chemical compatibility, weight</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Contec	Micronova	
	Mops			<ul style="list-style-type: none"> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Dimensions, capacity, material, sterility</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Fisherbrand	Bürkle	
	Buckets			<ul style="list-style-type: none"> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Absorbency, dispersing system, format (box, roll), colour</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Kimberly-Clark	Nordmiles	
	Bags			<ul style="list-style-type: none"> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Gas detection requirements, lone worker connectivity status, 3G wireless location technology status and automatic incident detection requirement</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Blackline PureAire (fixed O <sub>2</sub> monitor)	Honeywell (coming soon)	
	<b>Wipers</b>	<ul style="list-style-type: none"> <li>Spill clean-up, wiping, polishing, surface and equipment cleaning</li> </ul>		<ul style="list-style-type: none"> <li>Lab Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Gas detection requirements, lone worker connectivity status, 3G wireless location technology status and automatic incident detection requirement</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Blackline PureAire (fixed O <sub>2</sub> monitor)	Honeywell (coming soon)	
	<b>Gas Detection</b> <ul style="list-style-type: none"> <li>Wireless/portable gas detectors (single/multi gas)</li> <li>Lone worker safety devices (without gas monitoring capability)</li> <li>Fixed oxygen deficiency monitoring systems</li> </ul>	<ul style="list-style-type: none"> <li>General industry</li> <li>Defence and marine</li> <li>Construction</li> <li>Water, gas, electricity and Utilities</li> <li>Food, beverage and brewing</li> <li>Oil, gas, refining and petrochemicals</li> </ul>	<ul style="list-style-type: none"> <li>SAR</li> <li>RoHS</li> <li>CE</li> <li>RCM approved</li> </ul>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Health Manager</li> </ul>	<ul style="list-style-type: none"> <li>Gas detection requirements, lone worker connectivity status, 3G wireless location technology status and automatic incident detection requirement</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Blackline	Honeywell (coming soon)	
	<b>Confined Space Working</b>			<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Health Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Gas detection requirements, lone worker connectivity status, 3G wireless location technology status and automatic incident detection requirement</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Blackline	Honeywell (coming soon)	
	<b>Remote Working</b>	<ul style="list-style-type: none"> <li>Wireless/portable gas detectors (single/multi gas)</li> <li>Lone worker safety devices (without gas monitoring capability)</li> <li>Fixed oxygen deficiency monitoring systems</li> </ul>	<ul style="list-style-type: none"> <li>General industry</li> <li>Defence and marine</li> <li>Construction</li> <li>Water, gas, electricity and Utilities</li> <li>Food, beverage and brewing</li> <li>Oil, gas, refining and petrochemicals</li> </ul>	<ul style="list-style-type: none"> <li>SAR</li> <li>RoHS</li> <li>CE</li> <li>RCM approved</li> </ul>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Health Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Gas detection requirements, lone worker connectivity status, 3G wireless location technology status and automatic incident detection requirement</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Blackline	Honeywell (coming soon)
	<b>Hand Protection</b> <ul style="list-style-type: none"> <li>Reusable gloves</li> </ul>	<ul style="list-style-type: none"> <li>Long-term chemical exposure, aggressive chemicals transfer, insecticides and plant protection chemicals</li> <li>Cut resistance</li> <li>Thermal protection</li> <li>Abrasion resistance</li> </ul>	<ul style="list-style-type: none"> <li>• CE Cat III • EN 388 • FDA</li> </ul>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Health Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Standards, material, chemical resistance, cleanliness, sterility, permeation or temperature resistance, thickness, comfort (breathability), design (ambidextrous, cuff, finger tips textured or not), packing</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Ansell Honeywell	
	<b>Foot Protection</b> <ul style="list-style-type: none"> <li>S1 Safety shoes with toe cap</li> <li>S1P Safety shoes with toe cap and sole protection</li> <li>S2 Safety shoes for wet environments with toe cap</li> <li>S3 Safety shoes for wet environments with toe cap and sole protection</li> <li>Anti-slip shoes</li> </ul>	<ul style="list-style-type: none"> <li>For use in production facilities, factories, logistics areas</li> <li>Areas with risk of splash, slip, toe impact, contact with sharps and cutting equipment etc</li> <li>General visitor protection</li> </ul>	<ul style="list-style-type: none"> <li>• EN ISO 20345:2011</li> <li>• EN ISO 20347:2012</li> </ul>	<ul style="list-style-type: none"> <li>Health and Safety Manager</li> <li>Occupational Health Manager</li> <li>Health Manager</li> <li>Lab Users</li> </ul>	<ul style="list-style-type: none"> <li>Intended use in wet or dry environments</li> <li>Indoor or outdoor use</li> <li>Toe, anti-slip or sole protection</li> <li>Comfort and style</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	Emma Honeywell Abeba		
<b>Mechanical Handling</b>												

• Limited Potential      • • Average Potential      • • Large Consumption

Internal use only

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3M	3M	RESPONsITORS	3M	0044 07 9899215						
	Ansell		Ansell							
	ABEBB		abebb							
	CONTEC		contec							
	CleanSpace		cleanspace							
Burké	bollé		bolle							
	Honeywell		honeywell							
	metro		metro							
	UVEX		uvex							
	Texwippe	europe	texwippe							
Micronova	SCAT		scat							
	Ansell		ansell							
	BRADY		brady							
	CleanSpace		cleanspace							
	CONTEC		contec							
Nitritex	3M		3M							
	PURUS		purus							
	SCAT		scat							
	UVEX		uvex							
	WIPER		wiper							

## Which location and which workflow for which customer sub-segment?

Sub-segments	Environmental Water Analysis	Food	Petrochemicals	Cosmetics	Automotive (refer to Petrochemicals in the document)	Microelectronics
Workflow related	Analytical chemistry Microbiology Chromatography	Analytical chemistry Organic synthesis Microbiology Chromatography	Analytical chemistry Chromatography	Analytical chemistry Organic synthesis Microbiology Chromatography Cell culture	Analytical chemistr Chromatography	Cleanroom
Laboratories	Yes	Yes	Yes	Yes	Yes	Yes
Sterile and Controlled Environments	No	Yes	No	Yes	limited	Yes
Storage and Disposal	Yes	Yes	Yes	Yes	Yes	Yes
Cleaning Operation	limited	Yes	Yes	Yes	Yes	limited
Confined Space Working	No	No	No	No	No	Yes
Remote Working	Yes	No	No	No	No	Yes
Mechanical Handling	Yes in production areas	Yes in production areas	Yes in production areas	Yes in production areas	Yes	Yes

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**Germany:** +49 (0)2304 9325 **Ireland:** +353 (0)1 885 5854 **Italy:** +39 02 950 59 478  
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**Norway:** +47 22 95 59 59 **Portugal:** +351 21 425 33 50 **Spain:** +34 902 239 303  
**Sweden:** +46 31 352 32 00 **Switzerland:** +41 (0)56 618 41 11 **UK:** +44 (0)1509 555 500

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