



Because Life is a Gift

# Personal Protective Equipment COMPANY EMERGENCY RESPONSE TEAM (CERT)

05 / 2016



## Who need CERT? Do you know?

By Law

With amendment to the Fire Safety Act on 1 Sept 2013, all premises with Fire Safety Managers are required to set up a Company Emergency Response Team (CERT).

Public and Industrial Premises that meet any of the following criteria are required to have a Fire Safety Manager and a CERT:

### Public Premises:

- ✦ 9 storeys or more (including basement) or;
- ✦ Gross floor area 5000 square metres or more or;
- ✦ Designed occupancy load 1000 persons or more or;
- ✦ Licensed by MOH as a hospital.

### Industrial Premises:

- ✦ Site area or gross floor area 5000 square metres or more;
- ✦ Designed occupancy load 1000 persons or more.

### Petroleum & Flammable Material Premises:

- ✦ Stores 5 metric tons or more of Petroleum & Flammable Material (P&FM)

### Audit Requirement:

Premises shall be audited by SCDF on the CERT Scheme. Failure of the audit, the premises may be subjected to re-audit or revoke of P&FM storage license.

### Failure to form CERT:

The owner or occupier of the specified premises shall be guilty of an offence and is liable for a fine not exceeding \$10,000 or imprisonment not exceeding 6 months or both.





## QB Safety Helmet AQM2

- A robust, durable and impact resistant short peak safety helmet
- Made from high density polyethylene material
- Excellent comfort and perfect impact protection with six point suspension
- Universal slot that is adaptable to most accessories
- Approved to CE EN397, SS98



## QB Safety Helmet AQM3

- An all time favourable design that are widely accepted at all level
- Lightweight, durable and impact resistant
- Made from high density polyethylene material
- Excellent comfort and perfect impact protection with six point suspension
- Approved to CE EN397, SS98



## Fireman Helmet

- M-PACT Shell with SmartRidge design
- High-heat thermoplastic outer shell
- Comfortable Sure-Lock® ratchet headband
- Balanced 4-point nylon crown straps and crowd pad
- Nomex® chinstrap with quick-release buckle and postman's slide fastener
- Rip-stop Nomex® ear/neck protector
- Leather ratchet cover
- Quick-Attach faceshield or goggle system
- Scotchlite® reflective markings
- Certified to NFPA 1971-2007 standard



## Visagom 3500 Headgear

- Lift-front helmet attachment for face screens
- Without metal parts
- Special version for electricians
- Available with face shields in size:  
**345 x 200mm (fog-free)**
- Meets CE EN166F
- Face shield & Helmet sold separately



## 3M™ Clear Polycarbonate Faceshield WP96

- Molded stock
- Clear faceshield
- Developed for use in metalworking, utilities and many other industries
- 3M™ Easy-Change™ Faceshields mount quickly to 3M™ headgear
- Size: 9" tall x 14.5" wide x 0.08" thick
- Meets the high impact requirements of ANSI Z87.1-2003



## QB Chemical Goggle SG5903

- Excellent field of view for improved safety and wearer confidence
- Impact resistance against high speed particles at extremes temperature
- Indirect ventilation design helps provide protection against liquids, dust, gases & vapors
- General designs and flexible nose bridge for improved comfort
- Broad, fully adjustable headbands for optimum fit and reliable protection
- Protection against UV radiation
- Anti-fog coating help prevent fogging and enhance safety
- Can be worn over most prescription spectacles
- Optical class 1 Quality
- Meet ANSI Z87.1, CE EN166 standards



## QB Safety Goggle GH5100

- Soft rubber frame provides comfort for long time wearing
- Flexible housing fits most prescription eyewear (over-spec)
- Universal fit nose bridge conforms to facial contours to ensure a comfortable fit
- Fully adjustable headband fits most users
- Indirect venting system offers ventilation and dust prevention simultaneously
- Anti-fog polycarbonate lens filters out more than 99.9% of harmful UV radiation
- Meet ANSI Z87.1, CE EN166 standards



## Ansell Sol-Vex® Nitrile, Unsupported 37-175 / 37-165 / 37-185

- High performance nitrile compound provides an outstanding combination of chemical resistance and strength
- Offers superior snag, puncture and abrasion protection over rubber or neoprene gloves
- Suitable for heavy-duty cleaning applications
- High levels of flexibility, comfort and dexterity
- Won't swell, weaken or degrade, and does not promote contact dermatitis
- Length 13", Thickness 15mil (37-175), Length 15", Thickness 22mil (37-165), Length 18", Thickness 22mil (37-185)
- Comply with FDA food handling requirements (21 CFR 177.2600)

*Quebee Fire Fighter glove is made of multi-layer structure using Nomex as the outer shell, lined with CONEX & TWARON moisture barrier and insulating thermal barrier resistant lining. 3M Scotchlite Reflective tapes were installed to enhance high visibility of the fire fighter at work.*

## Fire Fighter Glove



- **Outer Shelf:** 6.0oz Nomex IIIA; 93% Nomex / 5% Kevlar / 2% P140; Twill Weave (200gm)
- **Moisture Barrier:** 70% Conex / 30% Twaron Laminated to FR PTFE Membrane (70gm)
- **Thermal Felt:** 95% Nomex / 5% Kevlar (150gm)
- **Lining:** 50% Nomex / 50% FR Viscose (130gm)
- **Reflective Tape:** 3M Scotchlite Fluorescent Line-Yellow Fire Coated Tape
- **Color:** Navy Blue
- **Packaging:** 1pair / Poly bag
- **Sizes:** M & L Only

*Quebee Fire Fighting suit are made of Multi – layer structure using Nomex as the outer shell, lined with CONEX & TWARON moisture barrier and insulating thermal barrier resistant lining.*



**Outer Shelf :** 6.0oz Nomex IIIA; 93% Nomex / 5% Kevlar / 2% P140; Twill Weave (200 gm)  
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**Lining:** 50% Nomex / 50% FR Viscose (130gm)  
**Reflective Tape:** 3M Scotchlite Fluorescent Line-Yellow Fire Coated Trim  
**Color:** Navy Blue  
**Packaging:** 1suit per bag  
**Sizes:** M, L, XL (other sizes on request)  
**Approval:** EN 340:2003, EN 469:2005

## Model: UXF-X6-968T

### Fire Fighting Suit, Trouser

- Two large Front Flapped Pockets
- Flapped bellow pocket on each leg
- Leg Cuffs with leather trimming
- 3M Scotchlite Reflective Tapes were installed to enhance high visibility

## Model: UXF-X6-968C

### Fire Fighting Suit, Jacket

- Upright collar closed with Velcro tabs can be turned down
- Chest pocket on the jackets installed with radio pockets and microphone bracket
- The front opening closed with brass zipper which is covered by a Velcro-sealed plate
- Cuff with inner rib sleeve to prevent fire incursion
- 3M Scotchlite Reflective Tapes were installed to enhance high visibility

*Photos are for illustration purposes only. Actual colors may vary.*



## Dupont™ Tychem® F

- Protection against numerous organic and highly concentrated inorganic chemicals
- Resists liquid splashes up to 5 bar
- Particle tight clothing material
- Biological protection-meets the EN14126 requirements in the highest performance class
- Protection against particulate radioactive contamination
- Ease of movement and correct fit
- Lightweight Type 3B protection, only 450g for Tychem® F - size L
- For applications where decontamination is needed: the fabric is resistant to commonly used decontamination substances
- Does not contain halogen compounds, so can be disposed of via standard means



## Dupont™ Tychem® ThermoPro

- A single-layer garment, Tychem® ThermoPro offers triple-hazard protection from liquid-chemical splash, flash fire, and electric arc, combine the trusted chemical protection of Tychem® fabric and flame protection of Nomex® fiber in a single layer garment
- ThermoPro has been certified to NFPA 2112, Standard on Flame Resistant Garments for Protection of Industrial Personnel Against Flash Fire



## Lakeland Interceptor Level A Encapsulated Suit

- PTFE visor process permanently seals the visor into the suit with no sewing involved so that liquids can't penetrate the visor edge
- Certified to optional Flash Fire Protection for escape only requirements of NFPA 1991
- Available in NFPA 1991 and CE Type 1 certified ensembles as well as non-certified encapsulating and non-encapsulating configurations
- PTFE outer layer on visor prevents impairment of vision due to chemical contact
- All NFPA certified interceptor® ensembles include Tingley HazProof® boots and a storage bag





## QB Tecasafe Plus 580 FR Garments

- **Inherently flame resistant**  
FR properties are built in, and won't wash or wear out
- **Compliance**  
Exceeds NFPA 70E HRC1, HRC2 and NFPA 2112 performance standards
- **Comfortable to wear**  
Soft and breathable. Superior moisture management because of special cellulosic fibre content
- **Exceptional durability**  
Outstanding abrasion resistance and better strength retention after multiple commercial washes
- **Outstanding laundered appearance**  
fabric retains its new look and maintains permanent pressed appearance better than other protective fabrics
- **Excellent value**  
Long life cycle and competitive price
- **Design option**  
Jacket and pants, coverall
- **Colour available**  
Orange, navy blue and other colour option upon request

*Photos are for illustration purposes only. Actual colors may vary.*



## Wayne Inyati Heavy-Duty PVC / Nitrile Safety Gumboots WY-1310

- Suitable for petroleum, mining, construction, chemical and heavy industry
- Oil, fats & Chemical resistant properties
- With Steel toe cap
- Color: Black upper, Yellow sole
- Size: 5 to 12 (No half size)
- Height: 39cm
- Compliance: EN ISO 20345, SABS & AS/NZ Specification



## HARVIK® Electrical Insulative Fireman Boot

- Suitable for structural fire fighting, general fire rescue & bush fire fighting
- Vulcanized rubber upper and sole
- Extra comfort with woven polycotton canvas
- Flame retardant upper with heat insulation
- Waterproof
- Reinforced rubber
- High visibility with black & yellow contrast
- Withstand 18kV of life current at dry condition
- Heel energy absorption design to minimize heel impact
- Catered to enter high temperature
- Cold insulation sole construction
- Meets EN ISO 20345 impact & compression tests



## Hazmax® Kneeboot

*The finest Boots made for Hazardous materials handling*

- 16" boot height
- Steel toe complies with ASTM F2413-11 and CSA Z195
- Exceeds CSA standards for dielectric footwear
- Steel toe, steel shank and steel midsole for complete protection
- Limited flash fire protection (escape only) in the event of a chemical flash fire
- One-piece injection molded construction, eliminates seams
- Boot are constructed of a high viscosity and flexible PVC alloy
- Non-absorbent polyester lining for easy cleaning and quick drying
- Replaceable cushioned insoles
- Cut off bands
- Kick off lug

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*Chemical Sorbent Spill Control Kit is the perfect solution for emergency response flexibility and mobility. Ideal for spills up to 25 gallons.*

## QB Emergency Spill Control Kit Chem-4



- 2 rolls of Quebee chemical folded sorbent
- 25 pcs Quebee chemical sorbent pads
- 1 pc Quebee MicroPz disposable coverall
- 1 pc of safety chemical goggle
- 1 set of half mask respiratory w/ cartridges
- 1 pair of chemical gloves
- 3 pcs of disposable bags and cable ties
- 1 pair of Tyvek booties
- 1 yellow mobile cart with Quebee logo
- 1 copy of hazardous spill clean-up manual



## Chemical Sorbent Folded Spill Kit, 31 gal

- **Sorbent capacity** : 31 gallon drum spill kit
- **Drum capacity** : 20 gallon drum
- **Packing** : 1 kit

## Sysbel® Safety cabinets



- **Model No** : WA810300  
Flammable Cabinet (30 Gal / Manual door)
- **Material** : High-quality steel plate
- **Size** : 112\*109\*46 (H\*W\*D/CM)
- **Standards** : OSHA 29 CFR 1910.106, NFPA CODE30 & FM
- **Color** : Yellow
- **Volume** : 30 gallon / 114 liter
- **Shelves** : 1
- **Door type** : Double-door, manual



- **Model No** : WA810450  
Flammable Cabinet (45 Gal / Manual door)
- **Material** : High-quality steel plate
- **Size** : 165\*109\*46(H\*W\*D/CM)
- **Standards** : OSHA 29 CFR1910.106, NFPA CODE30 & FM
- **Color** : Yellow
- **Volume** : 45 gallon / 170 liter
- **Shelves** : 2
- **Door type** : Double-door, manual



- **Model No** : WA810600  
Flammable Cabinet (60 Gal / Manual door)
- **Material** : High-quality steel plate
- **Size** : 165\*86\*86 (H\*W\*D/CM)
- **Standards** : OSHA29 CFR 1910.106, NFPA CODE30 & FM
- **Color** : Yellow
- **Volume** : 60 gallon / 227 liter
- **Shelves** : 2
- **Door type** : Double-door, manual



*Enpac Poly-Overpack® 95 meets group 1 packaging standards and salvage drum regulations. Unlike competing over-packs, Poly-Overpack® 95 safely contains a wide range of hazardous materials including: acids, corrosives and damaged parts-in 55-gallon drums.*



### Enpac Poly-overpack® 95 Salvage Drum

- Twist down lid for safe closure
- Closed cell gasket in lid helps seal closure
- Castellations in lid allow for easy closing with pole or wooden 2x4"
- Double wall lid gives added strength
- Molded area allows for easy gripping and lifting by material handling equipment
- Ribbed design provides extra strength
- 100% UV-protected polyethylene provides protection over a wide range of chemicals

### Honeywell Breathing Apparatus



- Certified EN 137-2006
- Passed 1.2 million continuous breathing tests, provides high reliability and stability
- Light weighted, total weight only 10.4kg (including 4.0 kg cylinder), suitable for long time wearing
- High Technology reducer design, simple and stable, easy to maintain
- High efficiency rescue outlet provides high air flow for rescue purpose
- Built in high pressure hose with exposure hole outside to ensures user's safety
- Chest whistle provides over 90dB alarm
- Flexible Banjo connector provides more flexibility when wearing the demand valve
- Optional survivair 20/20 plus mask for high visibility and wide vision



### Scott Sigma2 Self Contained Breathing Apparatus

- Proven high performance pneumatic system
- Compact first breath activated demand valve with bypass
- Ergonomically designed lightweight backplate and type 2 harness
- Kevlar blend flame retardant webbing with Kevlar cylinder band
- Wide choice of facemasks from the Vision 3, Promask PP and Panaseal ranges
- Corrosion resistant Nickel plated components
- Simple operation for users
- All components are user serviceable, low cost and easy to maintain
- Will accept wide range of 200 and 300 bar cylinders
- Approved to the MED as a Type 2 set



## MVP446 Mobile Voice Products Analog Radio

- License free radio
- IP 55 water / dust protection
- Wide range of accessories
- Compact & lightweight
- Durable Li-Ion battery
- 8 Channels
- Affordable

### Package Contents

- One pc MVP 446 Radio
- One pc Li-Ion Battery Pack
- One pc AC Adapter
- One pc Desktop charger
- One Pc Belt Clip
- One pc User guide



MVP 446 Radio



Li-Ion Battery



AC Adapter



Desktop Charger



Belt Clip



## Automated External Defibrillator (AED)

- Simple operation
- LED status indicators
- Patented e-cube Biphasic Truncated Exponential Shock Waveform
- Automatic self-testing
- Especially designed for public usage
- Economic standard package
- CPR coaching



## 2 Fold Aluminium Folding Pole Stretcher

- **Overall Size** (L X W X H) : 221 X 53 X 15cm
- **Folded Size** (L X W X H) : 1.5m X 20cm X 20cm
- **Colour** : ORANGE
- **Load Capacity** : 120kgs

*(Complete with belt and carry case)*



## First Aid Kit for Industrial Health

- **Box 1F** - For use in work place where the number of person employed does not exceed 10
- **Box 2F** - This complete kit is for use in work place where the number of persons employed exceed 10 but does not exceed 50. Where more than 50 persons are employed, an additional cabinet for every additional 50 persons should be provided
- **Box A** - For use where the number of workers does not exceed 25
- **Box B** - For use by every 50 workers
- **Box C** - For use by every 100 workers

*Recommended minimum contents of First Aid Box by the Ministry of Manpower (MOM)*



## Powered Megaphone

- **SJM-740SW** - Handheld Megaphone with mic, siren & whistle
- **Power** - Max. 35w, Rated 23w
- **Power source** - DC 12v (CM1.5v x 8pcs)
- **Dimensions** - 211Ø x 365mm
- **Net weight** (without battery) - 1.7kg
- **City area** - 404m
- **Outside of the city** - 1,200m
- **Battery life** (voice) - 10 hours



## Hospital Blanket , Cotton

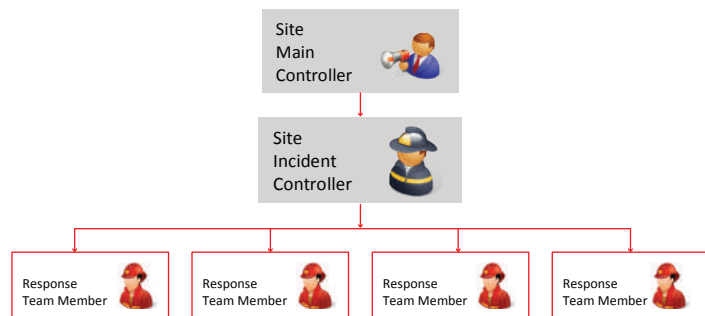
- Cotton blanket designed to keep patient warm during first aid treatment
- **Size** - 90" x 70" / 229cm x 178cm

## Quick Guide on CERT (Company Emergency Response Team)

### CERT Formation Structure

Minimum Structure Requirement:

- ✚ 1 x Site Main Controller (SMC)
- ✚ 1 x Site Incident Controller (SIC)
- ✚ 4 x Emergency Response Team (ERT) Members



**Note:** Larger or Riskier Premises should consider forming a larger CERT if possible.

### CERT Responsibilities

#### SMC

- ✚ Key decision maker
- ✚ Point of contact with government agencies
- ✚ Authorise shutdown of operations & evacuation

#### SIC

- ✚ Emergency Response Team Leader
- ✚ Link between SMC & ERT (and FSM)

#### ERT Members

- ✚ Provide emergency response
- ✚ Conduct evacuation
- ✚ Implement In-Place Protection
- ✚ Provide first aid

### CERT Training Requirement

Refer to SCDF website for the list of Accredited Training Organizations

## National CERT Standard

The information below is extracted from the National CERT Standard by Central Enforcement Department, SCDF

Classification of CERT Premises		Minimum Equipping			
		PPE <sup>1</sup>	Mitigation	First Aid	Communication
P&FM Premises	Tier 1 P & FM	<ul style="list-style-type: none"> <li>Chemical suits<sup>3</sup></li> <li>Rubber gloves<sup>3</sup></li> <li>Rubber boots<sup>3</sup></li> <li>Fire fighting suits</li> <li>Fire fighting helmets</li> <li>Goggles / Face shields</li> <li>Fire fighting gloves</li> <li>Fire fighting boots</li> <li>Breathing apparatus</li> </ul>	<ul style="list-style-type: none"> <li>HazMat absorbents</li> <li>Leak sealing devices</li> <li>Overpack drums</li> <li>Fire extinguishers (appropriate class)</li> <li>Fire fighting nozzles &amp; hoses</li> </ul>		
	Tier 2	<ul style="list-style-type: none"> <li>Long sleeved fire retardant garments</li> <li>Safety helmets</li> <li>Goggles / Face shields</li> <li>Safety gloves</li> <li>Safety boots</li> <li>Breathing apparatus</li> </ul>	<ul style="list-style-type: none"> <li>Fire extinguishers (appropriate class)</li> </ul>	<ul style="list-style-type: none"> <li>First aid kit</li> <li>Foldable stretcher</li> <li>Blanket</li> <li>AED</li> </ul>	<ul style="list-style-type: none"> <li>Loud hailer</li> <li>Walkie-talkie</li> </ul>
Fire Safety Manager Premises	Tier 1 HRI	<ul style="list-style-type: none"> <li>Long sleeved fire retardant garments</li> <li>Safety helmets</li> <li>Goggles / Face shields</li> <li>Safety gloves</li> <li>Safety boots</li> <li>Breathing apparatus</li> </ul>			
	Tier 3	<ul style="list-style-type: none"> <li>Long sleeved fire retardant garments</li> <li>Safety helmets</li> <li>Goggles / Face shields</li> <li>Safety gloves</li> <li>Safety boots</li> </ul>			

<sup>1</sup> A minimum of 5 sets of PPE are required for 1 SIC and 4 ERT members

<sup>2</sup> Diesel is excluded from the P&FMs quantity for the purpose of CERT tier classification. For premises with no other P&FM storage and are not HRIs, premises with underground diesel storage tanks will be in tier 3 and premises with aboveground diesel storage tanks will be in tier 2. LPG storage for food & beverages establishments is also excluded from the P&FM quantity for the purpose of CERT tier classification.

<sup>3</sup> If applicable.

Updated 26/04/2016

Central Enforcement Department Singapore Civil Defence Force

### QSS Safety Products (S) Pte Ltd

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