

# **Personal Protective Equipment**

# Company Emergency Respone Team (CERT)









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## **PPE - Personal Protective Equipement TIER 1**



Fire Helmet



Fireman Gloves



Fire Fighting Boots



Breathing **Apparatus** 



Fire Fighting Suit



#### **Hazmat Control**





## PPE - Personal Protective Equipement TIER 2/3

Helmets



Faceshield



Escape hood



Gloves



Coverall



Goggle



**Boots** 



## Mitigration, First Aid, Communication

Two Fold Stretcher



First Aid Kit



iPad AED



Fire Blanket Megaphone



Walkie -Talkie



**Arm Bands** 



Evacuaid emergency bracelet



Wheelie Bin Spill Kit



Safety Storage Box



## **NATIONAL CERT STANDARD**

	CLASSITION MINIMUM FOUITPRING							
	CLASSIFICATION OF CERT PREMISES		MINIMUM TRAINING	PPE <sup>1</sup>	MINIMUM EQUIPPING  MITIGATION FIRST AID		COMMUNICATION	BASIC TASKING
Fire Safety Manager Premises P&FM Premises	1 P&FM	Premises storing more than 5 metric tons of Petroleum & Flammable Material <sup>3</sup>	WSQ Respond to Fire & Hazmat Emergency (3 days) CERT First Aider Couse (1 day)	• Chemical suits <sup>2</sup> • Rubber gloves <sup>2</sup> • Rubber boots <sup>2</sup> • Firefighting suits • Firefighting helmets • Goggles / Face shields • Firefighting gloves • Firefighting boots • Breathing apparatus	HazMat absorbents <sup>2</sup> Leak sealing devices <sup>2</sup> Overpack drums <sup>2</sup> Fire extinguishers (appropriate class)     Firefighting nozzles & hoses	TIKSTAID	aid kit ble ther • Loud hailer • Walkie-talkie	Contain HazMat leaks <sup>2</sup> Prevent spread of HazMat <sup>2</sup> & fires Activate HazMat <sup>2</sup> & fire protection systems Contain and mitigate incipient stages of HazMat <sup>2</sup> & fire incidents Perform first aid, CPR & use AED Implement In-Place Protection Conduct mass evacuation Assist emergency responders
	Tier 1 HRI	Public & Industrial premises with FSM <u>and</u> classified as High Risk Installations by SCDF	WSQ Respond to Fire Emergency in Buildings (2 days)	<ul> <li>Fire retardant coveralls</li> <li>Safety helmets</li> <li>Goggles / Face shields</li> <li>Safety gloves</li> <li>Safety boots</li> <li>Breathing apparatus</li> </ul>	Fire extinguishers     (appropriate class)	First aid kit     Foldable stretcher     Blanket     AED		Contain and mitigate incipient stages of fire incidents Perform first aid, CPR & use AED Implement In-Place Protection Conduct mass evacuation Assist emergency responders
	Tier 2	Public & Industrial premises with FSM and storing 5 or less metric tons of P&FM <sup>2</sup>	CERT First Aider Couse (1 day)	Fire retardant coveralls     Safety helmets     Goggles / Face shields     Safety gloves     Safety boots				
		Public & Industrial premises with FSM	WSQ Respond to Fire Incident in Workplace (1 day) CERT First Aider Couse (1 day)					

A minimum of 5 sets of PPE are required, for 1 SIC and 4 ERT members. 2 If applicable

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Central Enforcement Department

Singapore Civil Defence Force

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 stalls is also excluded from the P&FM quantity for the purpose of CERT tier classification. These provisions may not be applicable to all premises.

## **PPE - Personal Protective Equipement TIER 1**





#### **Bullard LT Series Structural Fire Helmet**

- GE Ultem™ thermoplastic outer shell
- M-PACT Shell
- Sure-Lock® ratchet headband
- Rip-stop Nomex<sup>®</sup> ear/neck protector
- Four-point crown strap assembly
- 4" faceshield
- Nomex chinstrap
- Quick-Attach Blade System
- Scotchlife® reflective stripes





### **PROTEK® Herostar Fire Fighting Suit**

- Outershell: Nomex<sup>®</sup> Tough
- Moisture Barrier: FR nonwoven laminated to FR PU membrane
- Heat Barrier: FR nonwoven quilted to Aramid/Viscose FR inner lining
- Certified according to below standards by independent and accredited European laboratories: EN 469:2005 Level 2 (Xf2, Xr2, Y2, Z2)
- Sewing thread: 100% Aramid
- Velcros: Heat resistance
- Zipper: Quick release, Type 10 metal zipper
- Reflective Tape: 3M 9687, yellow-silver-yellow, 5cm, certified according to EN 20471



#### Seiz 700010 Firemen Gloves

- Glove made of grain-leather
- Suitable for technical assistance and rescue purpose
- Good protection against mechanical stress due to the seamless knitted
- KEVLAR® Fiberglas lining
- Knitted cuff of 100% KEVLAR®



## Harvik 9687L Firefighting Boots

- Vulcanized Rubber Upper and Sole
- Air pressure applied for water leakage testing: 50kPa
- Thickness of Upper and Fabric Combined: 1.80mm
- Electric Shock Resistant: Meets CSA-Z195-02
- Resistance to Hot Contact: Meets NFPA and EN 345-2
- Energy absorption: Meets EN 345-2
- European Standard, CE Approved EN 345-2:1996
- CSA Z195-02 Canadian Standards Association ANSI - American National Standard Z41PT99
   Malaysian Standard, MS EN 345: 1988 (SB-P-E-HRO)

http://www.ppesafety.com.sg/









### **Lakeland Interceptor Level A Suit**

- Fully encapsulating coverall offering fully sealed, gas-tight protection against gaseous and liqud form hazardous chemicals
- Weight 326gsm (15% lighter than others)
- Two-layer face-shield constructed of 10mil teflon and an inner layer of 40mil PVC for superior chemical barrier
- SCBA accomodation inside the suit
- 122cm gas tight zipper with front or rear entry mounting options
- Two nylon 6/6 exhalation valves with SBC flappers
- Attached sock boots with boot overlaps
- Two layer glove system as standard featuring an inner North
- Silvershield™ glove and outer Lakeland neoprene glove
- Gas-tight PVC zipper with stainless steel teeth
- Interceptor is fully approved and certified to EN943-1:2002









#### **ULTITEC 4000 Coverall**

- Disposable anti-static coverall with hood
- CE approved under PPE Directive (89/686/EEC), Category III
- Biological Hazards, Disaster Management, Oil Refining/ Exploration,
- Chemical Handling, Hazardous Material, Petrochemical, Decontamination,
- Industrial Clean up, Sewage Purification Installation, Disease,
- Oil Handling/ Tank Cleaning, Utilities















## Spasciani MKII SCBA

- Panoramic Full Facemask
- Unique patented warning device at the mask
- Compensated pressure reducer
- Safety quick connectors
- Phosphorescent gauge
- Simplified maintenance
- Four way valve
- Anatomicalled shaped backplate
- Speical medium pressure outlet







#### **Deltaplus Quartz Up Helmet**

- UV-resistant high density polypropylene(PP) safety helmet
- Foam sweat band
- Innovative adjustable ROTOR system: head sizes 53/63cm
- EN397:2012 + A1:2012 Protective helmets for industry
- Colors available: White / Blue / Orange



#### **DIAMOND5 - Baseball Diamond V Helmet**



- Foam sweat band
- Innocative button adjustment "color to color" for head sizes 53/63cm
- 2 possible positions of the headband (top/low) for a better comfort
- Electrical insulation
- Fluo colors and retroreflective bands for high visibility day and night
- This helmet is validatd with the following accessories:
- JUGALPHA, DYNAMIC JUGALPHA or MENTALPHA Weight: 368g
- Certifications: EN397:1995/A1:2000 and EN50365:2002 (Class 0)
- Colors available: White / Blue



## **Faceshield Holder and Visor for Safety Helmet**



- For impact and splash protection
- Fits most safety helmet with a cap slots
- SKU Visor Holder and SKU Visor PC



## Univet 611.00.10.01 Goggle



- Frame, lens and elastic strap of fireproof material
- Wide elastic band with silicone inserts improves stability
- Double lens with thermal breakage technology protects againts heat, fogging and impacts
- Variant available with quick-release claws suitable for use with different types of helmet
- FIX insert available
- Category III° PPE









#### Sundstorm Escape Hood smoke/chemical SR 77-3

- Escape Hoods for evacuation in the event of fire and/ or chemical emission accidents
- The durable and vacuum packed aluminum bag gives you a carefree use for 10 years with no need of service or maintenance
- Give you a resistant time of at least 30mins to carbon-monoxide
- Hood is made of chemical resistant and flame retardant material
- Intergrated head harness gives quick and simple donning without prior adjustment



### **Black Neoprene Gloves Deltaplus VECUT 50**



- All-purpose protective glove against mechanical, chemical and microorganic risks
- Extra heavy weight Neoprene glove, cotton flock lining, grip pattern palm and fingers, straight cuff.
- Length: 30cm
- Thickness: 0.75mm
- Bacteriostatic and fungistatic additive







#### **PORTWEST FR21 FR Coverall**

- Flame Resistant industrial wash tape
- Super Light Weight
- Anti-Static
- Shell Fabric: Bizflame 210g
- Knee pad pockets to facilitate knee pads
- 50+ UPF fabric to block 98% of UV rays
- CE certified
- Colors available: Navy Blue / Red









#### Portwest AF53 Araflame Gold Coverall

- 150g Araflame Plus 93% Meta-aramid, 5% Para-aramid, 2% Carbon Fibre
- Anti-Static
   Triple Stitched Seams
- Radio Loops
- Two rear patch pockets
- Knee Pad pockets
- Sleeve pocket
- Colors available: Navy Blue / Orange























#### **Univet 6X3.90.90.00 Goggle**

- Panoramic lens can be perfectly worn over prescription glasses
- Exclusive UDC coating
- Facial support compatible with half masks
- Additional facial protection
- Indirect ventilation system assures certified protection against drops and slashes
- Category III° PPE
- Impact resistance at 43km/h, even at extreme temperatures







## **PVC/ Nitrile Safety Boots**

Chemical resistant safety boots





## **Workmaster Hazmax B00853 Boots**

- · Chemically protective anti-static boot with an integral steel toe cap and
- vulcanized ruber sole for superior slip resistance
- Machine washable at up to 40°C
- Shelf life of over 10 years





## Mitigration, First Aid, Communication





#### Two Fold Stretcher

- Fabric is fire proof, water proof, anti-cracking and easy to maintain
- It is very light weight, portable, easy to use
- Product size (L x W x H): 208 x 55 x 13cm
- Folding size (L x W x H): 104 x 17 x 9cm
- Load bearing: less than 159kg
- Color: Orange



#### Portable Megaphone: SJM-740SW

- This model is microphone detachable shoulder type
- Microphone with siren and whistle
- Power: Max. 35W
- Power Source: DC 12V (Battery CM 1.5Vx 8PCS)
- Dimensions: 211 øx 365mm
- Net Weight (without battery): 1.7kg
- City Area: 400m (434yard)
- Out Side of the City: 1,400m (1,520yard)
- Battery life (Voice): 10hours



#### **First Aid Kit**

#### **Box A First Aid Kit**

- Size: 30.5 x 21 x 12 cm
- For use where the workers does not exceed 25

#### **Box B First Aid Kit**

- Size: 30.5 x 21 x 12 cm
- For use where the workers does not exceed 50.

#### **Box C First Aid Kit**

- Size: 30.5 x 21 x 12 cm
- For use where the workers does not exceed 100

#### First Aid Airway

One-way/ One application disposable resuscitating device



#### **ZETEX 3732 Fire Blankets**

- Blanket is a woven fiberglass fabric and comes in a satin weave (i.e. smooth, soft, and tightly weaved) which protects against skin irritation
- Fabric is only 0.45mm thick and can be wrapped around uneven surfaces
- Provides an effective outer layer protection against unwanted contact with heat
- Meet or exceed British Standards (BS) 476 Part 6
- · Comes in sewn standard
- Comes in compact PVC bags or Rectangular containers for easy mounting at a convenient location
- Size & Packing: 4' x 4'

4' x 6'

6' x 6'





#### iPad AED NF1200

- Simple operation
- LED Status Indicators
- Patented e~cube Biphasic Truncated Exponential shock waveform
- Automatic self-testing
- Especially designed for public usage
- CPR coaching



#### Motorola T6 Walkie - Talkie Consumer Radio

- PMR446 radios license free
- Up to 8km range (subject to terrain and conditions)
- Rechargeable NiMH batteries (supplied)
- 8 Channels + 121 codes
- Scan/ Monitor
- 5 call tones
- Hands-free



#### **Arm Band**

- Identify yourself as First Aider, Fire Warden, SMC,SIC and FSM
- Adjustable velcro fastening/closure
- One size fits all



## **Evacuaid emergency bracelet**

- A lifesaving tool at the workplace
- Highly visible red LED warning lights
- Evacuaid attaches to the wrist
- Automatic activation suited for high-stress situations
- Requires no maintenance
- Highly sensitive motion sensor for automatic alarm
- Powerful LED torches to show the way out and locate others
- Waterproof







#### Wheelie Bin Spill Kit

- Available in three different sized bins giving greater flexibility
- All models available in oil only, maintenance and hazmat versions
- Adsorption capacity of up to 508 liters
- Wheels give mobility both indoors as well as outdoors
- Yellow container makes kits highly visible
- Three Different Sized Bins:
  - •360 Liter Bin:
    - 200 heavy weight pads (41cm x 46cm)
    - 12 socks (7.6cm x 122cm)
    - 4 socks (7.6cm x 305cm)
    - 12 pillows (46cm x 46cm)
    - 70 wet-wipes (25cm x 30cm)
    - 2 pairs of goggles
    - 2 pairs of gloves
    - 9 disposal bags
    - 2 sets of half mask and filter
  - 240 Liter Bin:
    - 150 heavy weight pads (41cm x 46cm)
    - 6 socks (7.6cm x 305cm)
    - 8 pillows (46cm x 46cm)
    - 70 wet-wipes (25cm x 30cm)
    - 1 pairs of goggles
    - 1 pairs of gloves
    - 3 disposal bags
    - 1 set of half mask and filter
  - 120 Liter Bin:
    - 50 heavy weight pads (41cm x 46cm)
    - 12 socks (7.6cm x 122cm)
    - 6 pillows (46cm x 46cm)
    - 1 pairs of goggles
    - 1 pairs of gloves
    - 3 disposal bags
    - 1 set of half mask and filter



## Jonesco Safety Storage Box

- Storage box for PPE, SCBA, Spill Kits, and miscellaneous Cert team equipment
- Suitable for outdoors and indoors usage
- Prominent Green Colour
- "T" Lock door handle
- Dimensions 850 x 565 (Height x Width)